

ELI Technical Document for Testing Lab Management

First edition

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ELI Testing Lab Management Procedure



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Quality Certification Institute

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ELI Testing Lab Management Procedure

1. Background

ELI is the Efficient Lighting Initiative, a voluntary international program for certifying the quality and efficiency of lighting products. It is operated by a non-profit organization, the ELI Quality Certification Institute, for the benefit of end users, policymakers, and lighting suppliers worldwide. The mission of ELI is to provide a transparent and simple mechanism for certifying the quality and efficiency of lighting products sold worldwide. ELI's strategy is to develop "reach" standards for lighting efficiency in developing and transition economies. It provides an endorsement of the quality and efficiency of lighting products.

ELI was initiated in 2000 by the International Finance Corporation (IFC) and funded by the Global Environment Facility (GEF), to promote efficient lighting in Argentina, the Czech Republic, Hungary, Latvia, Peru, the Philippines, and South Africa. The original ELI program tested the quality certification and labeling concept and focused on seven countries during the period 2000 through 2003. In 2005, IFC with funding from GEF, supported an establishment of the ELI Quality Certification Institute (ELI Institute) to develop and expand the ELI certification and branding system globally.

The expanded ELI program aims to cooperate with government agencies, international organizations, manufacturers, testing laboratories, lighting associations, large retailers and other market aggregators to accelerate the widespread adoption of energy efficient lighting products and thereby reduce greenhouse gas emissions. The ELI Institute seeks strategic partnerships to develop a global service network, and also seeks opportunities to harmonize test methods and performance specifications with other voluntary labeling programs.

This procedure is developed by ELI Quality Certification Institute to guarantee the quality of product testing used for ELI certification. Interested labs which comply with ELI requirements on testing labs are encouraged to join ELI testing lab network.

2. Scope

This procedure regulates the essential conditions that testing laboratories shall meet for undertaking to test products according to ELI specifications. It also stipulates the recognized laboratories rights and responsibilities, together with the working procedure as well as the working procedure for the management of test laboratories recognized from ELI Quality Certification Institute.



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3. ELI Testing Laboratories

3.1 The term 'ELI testing lab' refers to a test laboratory which is recognized by ELI Quality Certification Institute to undertake product testing according to ELI specifications.

3.2 ELI testing labs perform the product testing tasks entrusted by manufacturers wishing to receive ELI certification for their respective products or by ELI Quality Certification Institute itself. ELI testing labs issue test reports while ensuring the impartiality, accuracy and reliability of such reports. ELI testing labs will cooperate with the ELI Quality Certification Institute concerning issues related to conformity assessment with ELI specifications.

3.3 The ELI testing labs shall be subject to the management procedures - as outlined in section 4 of this document below - of the ELI Quality Certification Institute within their business scope of testing compliance with ELI specifications.

4 Management procedures

4.1 Fundamental Principles

Any interested testing laboratory shall comply with the following requirements:

- 1) It has been accredited according to ISO/IEC 17025;
- 2) It has been qualified by the following recognized national or regional accreditation bodies and its scope of accreditation includes the testing of pertinent lighting products.
 - Members of the Asian-Pacific Laboratory Accreditation Cooperation that have signed a relevant multilateral mutual recognition agreement, including:
 - American Association for laboratory Accreditation (A2LA);
 - Chinese National Accreditation Committee for Laboratories (CNACL);
 - Hong Kong Laboratory Accreditation Scheme (HOKLAS);
 - International Accreditation New Zealand (LANZ);
 - National Association of Testing Authorities, Australia (NATA);
 - National Voluntary Laboratory Accreditation Program, Russia (NVLAP);
 - Singapore Accreditation Council-Singapore Laboratory Accreditation Scheme (SAC-SINGLAS)
 - Member organizations of the European Cooperation for Accreditation (EA).



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4.2 Application materials

4.2.1 Testing laboratories interested to test against ELI specifications shall submit application materials (see: ELI/RP02-01) to the ELI Quality Certification Institute. The ELI Institute will assess the materials and confirm the laboratories qualification in case the submitted documentation complies with the requirements stated in this procedure. Qualified records related to this decision will be retained from ELI.

The application materials mainly include:

- Application Form for ELI Testing Laboratory;
- Proof of legal status;
- Copy of the certificate issued in accordance with ISO/IEC 17025 by National or Regional Accreditation Institution as well as a copy of accreditation scope of the laboratory.

4.2.2 Provided a recognized ELI testing lab wishes to expand its testing scope for ELI, only the completed Annex 2 of the 'Application Form ...' needs to be provided.

4.3 Examination and record

ELI Quality Certification Institute will complete the assessment and verification of the materials submitted by the interested testing laboratory within 15 working days, and will then issue a notice regarding whether the laboratory will be authorized to perform tests against ELI specifications particular product types. ELI Quality Certification Institute will retain records demonstrating the laboratories compliance with the requirements and the testing scope being covered, and add it into the published list of ELI recognized Laboratories.

4.4 Supervision and management

4.4.1 ELI Quality Certification Institute will publicize the name of the recognized testing labs and their testing scopes related to ELI specifications and product groups.

4.4.2 ELI Quality Certification Institute supervises ELI testing labs according to the suggestions from certification organizations and in other ways including random supervisions.

4.4.3 The ELI Institute will update the list of ELI labs from time to time based on recorded testing practice and supervision results. ELI Institute reserves the right to disqualify a testing lab from the list of ELI labs if it no longer meets the requirements stipulated above.

5 Miscellaneous

ELI Quality Certification Institute reserves the right to modify and interpret the *Procedure for ELI Testing Lab Management*.



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6 Inquiries

For any questions or suggestions with respect to this procedure, please contact:

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