Solar Home System Test Methods and Quality Standards Feedback

1. Respondent Information

This survey asks for your comments and questions regarding the draft Test Methods and revised Quality Standards for Solar Home System Kits. Prior to completing this survey, please review the draft Test Methods and revised Quality Standards posted on the Lighting Global stakeholder page: https://www.lightingglobal.org/qa/stakeholder-engagement/

These draft documents are key elements in the expansion of the Lighting Global QA framework to cover larger solar home system kits (10 W to 100 W). Both the Quality Standards and Test Methods were developed by a team of researchers from Lighting Global QA and Fraunhofer ISE with funding from the World Bank and Global LEAP. We have used lessons learned from pilot testing, feedback from the respective participating companies, along with input from our initial stakeholder process to inform the development of the draft Test Methods and revised Quality Standards. We are now interested in your feedback on both documents.

We intend to submit the draft Test Methods to the International Electrotechnical Commission (IEC) in November. Comments must be received by Tuesday September 15, 2015 to be considered for inclusion in our initial submission to the IEC. Please note that it will take time for the document to move through the IEC process. Comments received after September 15 may still be considered, but it is unlikely that they will be incorporated into the initial draft of the methods that are submitted to the IEC.

We ask you to be honest and open in your feedback. All identifying information will be kept confidential within the Lighting Global Quality Assurance team, but we may decide to publicly release aggregated answers or comments in a way that does not disclose the identity of the person or organization.

Providing your personal information is optional, but will help us in clarifying and providing responses to your comments. Entering your email address will also sign you up for stakeholder updates.

If you wish to compose your comments in advance of completing the survey, please download the pdf document version of the survey found at this link: XXXXX . After composing your comments off line, you may copy and paste them in to this online survey form. All comments must be submitted through this online form.

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3. Job Title or Position 4. Email Address 5. What is your primary connection to off-grid lighting? Manufacturer/Assembler (final products) Manufacturer (components) Distributor Retail Vendor Government NGO Academic Institution/University Financial Institution Development Agency Testing Lab/Lighting Research Facility End User 6. Country you are most often located (this will help us schedule the timing for future webinars).	2. Company or Organization	
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Testing Lab/Lighting Research Facility End User	Financial Institution	
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Solar Home System Test Methods and Quality Standards Feedback

2. Form Organization

This form is organized as follows:

- You will first have the opportunity to provide feedback on the draft Test Methods.
- The next page will ask for feedback on the revised Quality Standards.
- The last page asks for overall comments about the Quality Assurance Framework for Solar Home

System Kits.	
* 7. Do you want to provide feedback on the draft Tell [If you want to provide feedback on the revised Quaregardless of your answer to this question.]	st Methods? ality Standards, you will still have an opportunity to do so
Solar Home System Test Metho	ods and Quality Standards Feedback
3. Comments on Draft Test Methods	
downloaded at: https://www.lightingglobal.org/d Please note, these methods are similar to those 62257-9-5), but include some modifications to a	for pico products (IEC Technical Specification ccommodate larger systems, as well as new ice finalized, we intend to submit the Test Methods
8. Please provide any overall comments you have	about the draft Test Methods.
9. Are there any additional aspects you feel should	be included in the Test Methods?
about the draft Test Methods. Please place your comments in the appropriate box	Methods, please include the page number and the or example: "On page 113 in section H.5.3, I think a d because"). There is to leave the box blank.
10. Section 1: Scope	

11. Section 2: Normative references
12. Section 3: Definitions
13. Section 4: System description
14. Section 5: Product specification
14. Gection 5. Froduct specimeation
15. Section 6: Quality test method
16. Section 7: Market check method
17. Section 8: Initial screening method
17. Occupi o. miliai screening metrou
18. Section 9: Standardized specification sheets

19. Annex A: Recommended quality standards and perprogramme qualification	formance criteria for off-grid lighting market support
20. Annex B: Example quality standards, warranty requ procurement qualification ("sample tender")	irements, and performance criteria for bulk
21. Annex C: Recommended SSS guidelines	
22. Annex D: Manufacturer self-reported information	
23. Annex E: Product sampling	
24. Annex F: Visual screening	
25 Annoy C. Cample proparation	
25. Annex G: Sample preparation	
26. Annex H: Power supply setup procedure	

27. Annex I: Photovoltaic module I V characteristics tes
28. Annex J: Battery test
29. Annex K: Battery testing recommended practices
30. Annex L: Charge controller behaviour test
31. Annex M: Full-battery run time test
32. Annex N: Full discharge preparation
33. Annex O: Solar Charge Test
34. Annex P: Protection Tests

35.	Annex Q: Assessment of DC ports
36.	Annex R: Appliance power consumption
37.	Annex S: Energy service calculations
38.	Annex T: Battery durability test
39.	Annex U: Lumen maintenance test
40.	Annex V: Light output test
41.	Annex W: Light distribution test
42.	Annex X: Mechanical durability test

43. Annex Y: Physical and water ingress protection te	st
44. Annex Z: Level of water protection	
NOTE: Annex AA and BB are reserved for the inclu	sion of methods for testing AC systems. These
systems would not be eligible for testing under the	
may be interested in methods for testing AC syste	
but intend to largely reference existing test metho	as.
45. Annex CC: Equipment requirements	
46. Annex DD: Generic appliances	
47. Bibliography	
Solar Home System Test Methods	s and Quality Standards Feedback
4. Comment on Revised Quality Standards	
^t 48. Do you want to provide feedback on the revised Q	uality Standards?
23 you man to provide recorded on the revised w	

5. Comments on Revised Quality Standards

Please review the revised Quality Standards and provide your feedback below. The draft document may be downloaded at: https://www.lightingglobal.org/qa/stakeholder-engagement/

Note, as with the Lighting Global Quality Standards for pico-products, these Quality Standards will not be submitted to the IEC at this time and will continue to be maintained by the Lighting Global program.

49. Do you agree with the revised eligibility criteria for solar home system kits to be covered under these Standards?
50. Please provide your comments about the eligibility criteria.
51. Do you agree with the proposed Truth in Advertising standards?
52. Please provide your comments about the Truth in Advertising standards.
53. Do you agree with the proposed Lumen Maintenance standards?
54. Please provide your comments about the Lumen Maintenance standards.
55. Do you agree with the proposed Health and Safety standards?

56. Please provide your comments about the Health and Safety standards.
57. Do you agree with the proposed Battery standards?
58. Please provide your comments about the Battery standards.
50 D
59. Do you agree with the proposed Quality and Durability standards?
60. Please provide your comments about the Quality and Durability standards.
61. Do you agree with the proposed Consumer Information standards?
62. Please provide your comments about the Consumer Information standards.
63. Do you have any other comments about the Lighting Global Solar Home System Quality Standards?

Solar Home System Test Methods and Quality Standards Feedback

6. Overall Comments

64. Do you have any other overall comments or questions about the Lighting Global Quality Assurance Framework for Solar Home System Kits?
Solar Home System Test Methods and Quality Standards Feedback
7. Stakeholder Process
65. Please rate your satisfaction with this stakeholder process.
66. Please share any suggestions you have on ways we can improve our stakeholder outreach.

Test Methods or Quality Standards, please include them in your responses on previous pages.