

**Chat Log from Upcoming Changes to Lighting Global Quality Assurance Framework Webinar
15 November 2016 7:30 - 9 AM PST**

Answers to the chat questions are not included here, but may be heard in the webinar recording, available on the Lighting Global Stakeholder page and at this link: <https://youtu.be/KK3YwbaFr0>

Dr. Julien CAMPOS (to Everyone): 7:48 AM: It seems you split items in 2 category : SHS and appliances, and provide different tests or warranty for these 2. What is the situation if the appliance integrate itself a SHS (all-in-one system) ?

Chris Moller (to Everyone): 7:49 AM: ...and the opposite question - what challenges do you foresee in moving away from the Plug-n-Play limitation?

Joseph (to Everyone): 7:50 AM: Since IEC/TS 62257-9-5 is a published standard, can testing be undertaken at any test lab that offers testing to this standard? What is the difference in testing at a Lighting Global approved lab and any other?

jiayang li (to Everyone): 7:59 AM: in a picture you showed pico wattage range $\leq 10-15Wp$, Is it Correct?? thought it was $\leq 10Wp$

jiayang li (to Everyone): 8:01 AM: in this case, where do 12Wp products go? Pico or SHS?

David Xu (to Everyone): 8:02 AM: can we consider to reduce the sample size for pico stock(500pcs)? especially for some pico SHS $< 10W$, since it's hard to get big stock during early product stage.

Chris Moller (to Everyone): 8:03 AM: What is your policy going to be for testing SHS that include a mains inverter - especially as regards safety?

Rick Sheridan (to Everyone): 8:04 AM: How do small entities avail themselves of the discounted IEC standard from the IEC web store?

Paul Waide (to Everyone): 8:04 AM: Have any unanticipated teething problems been encountered in expanding the QA scope to include SHS Kits?

Ashwin Kurian (to Everyone): 8:05 AM: What is our position on a pico type product that run say a small fan off a panel during the day without batteries?

Knut Boettcher TUV SUD (to Everyone): 8:06 AM: Coming back to safety: even low voltage kits can present an energy safety issue - how is that addressed?

Knut Boettcher TUV SUD (to Everyone): 8:06 AM: How is photobiological safety and flicker is addressed to prevent damage of eyesight?

Joseph (to Everyone): 8:16 AM: With respect to SHS kits with lithium batteries are there any additional or special requirements such as for a BMS?

Ashwin Kurian (to Everyone): 8:19 AM: A pico product whose panel and batteries can be scaled such that the device can also fall into SHS domain, how would we proceed with testing?

Kevin Gauna (to Everyone): 8:24 AM: regarding photobiological safety, LG has published 2 Eco Design Notes (issue 2 and issue 4) that cover basic issues of eye safety and source testing. LG also tested several products to IEC 62471:2006 and provides recommendations to manufacturers on assessing their products for photobiological safety

Chris Moller (to Everyone): 8:29 AM: I noted in the response to stakeholder feedback an understandable concern to avoid being prescriptive about particular solutions, but can you say "If you choose to use XXX in your product, then we will test for the following issue..."?

David Xu (to Everyone): 8:30 AM: why 15W is more reasonable as dividing line than 10w?

Florent GIORGI (to Everyone): 8:30 AM: How did you come to the 350w peak limit? thank you

[Waiting for name] (to Everyone): 8:31 AM: If the power of the PV module with cable is 10W, and the power of the PV module without cable is 9W, Does it belong to SHS or Pico?

Chris Moller (to Everyone): 8:37 AM: Does the warranty requirement mean anything more than checking what the manufacturer says? Obviously I'm concerned that warranties may be very difficult to take advantage of in the field - but this seems way outside product testing!

Ashwin Kurian (to Everyone): 8:38 AM: Could you mention a little more about the key changes around energy service calculations and power delivery calculations? Is the simulation method accessible to the manufacturers?

Knut Boettcher TUV SUD (to Everyone): 8:49 AM: You should have a look into the new draft of IEC 62368-3 clause 5.3.2 & 5.4 for the USB issue

LUHUA PENG (to Everyone): 8:50 AM: If the PV cables are made of rubber, maybe the UV test is not needed. For the connectors only used during installation, it should conducted the 100 cycles test, not 1000 cycles.

LUHUA PENG (to Everyone): 8:50 AM: IEC 60598

jiayang li (to Everyone): 8:54 AM: i assume the slides will be shared

jiayang li (to Everyone): 8:55 AM: questions and preferably answers too?

Chris Moller (to Everyone): 8:55 AM: Great job - but it's going to get harder and harder as SHS get more and more versatile!