

**Proposed IUVA Task Force in
Developing UV Measurement Standards for the Output of UV Disinfection
Devices used in the Healthcare Industry**

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In 2018, IUVA formed its Healthcare/UV Working Group (H/UV-WG) with the objective of setting industry-wide consensus-based efficacy standards and testing protocols to increase the use of UV disinfection technologies by scientifically demonstrating UV’s antimicrobial performance and advantages to the healthcare sector. These standards would cover protocols for efficacy testing in a healthcare setting, determination of inactivation dosages for healthcare-related pathogens, and precise measurement of healthcare-related disinfection devices’ UV output at specific wavelengths of interest to the healthcare sector which would enable standardized and auditable efficacy testing and inactivation dosage determinations. As a first step, the Healthcare/UV Working Group wishes to join with the Illuminating Engineering Society (IES) to develop consensus-based measurement standards for the output of the UV disinfecting devices and sources used in the healthcare industry.

Scope

This task force will focus on standardizing the dosage quantification of UV devices and sources in the Healthcare sector.

Process

The Task Force will join with the Illuminating Engineering Society (IES) for this effort. Using IES’s ANSI approved ‘Standards Development Organization’ procedures and systems, the standards will be reviewed and submitted to ANSI for acceptance as “industry wide, American national, consensus-based standards” as defined in OMB Circular A-119.

Deliverables

The initial milestones proposed for UV output standards are:

Initial Scoping and Preliminary Outline	6/30/2020
Draft Standard for Internal Review	8/30/2020
Revised Milestone Plan based on comments received	10/30/2020
Target Release Date for Public Comment	12/30/2020

Participating members

Proposed members of the Task Force so far include the following:

Cameron Miller (National Institute of Standards and Technology)

Jim Bolton (Bolton Photosciences Inc.)

Dan Spicer (Light Sources Inc.)

Bob Karlicek (Rensselaer Polytechnic Institute)

Huang Yong-Heng (Texas A&M University)

Marvin Ruffin (Excelitas Technologies)

Claes Lindahl (Intellego Technologies)

Task force lead

Cameron Miller, Ph.D.

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Resource requirements

None

Appendix 1

New Task Force / Project Board Member Evaluation Checklist—

Please email completed form to info@iuva.org

Criteria	Yes	No	Comments
Does the Project align with the IUVA Mission?	×		
Is there a carefully defined problem to guide the project?	×		
Does the project have specifically stated and achievable goals?	×		
Are the elements of the problem specified and prioritized?	×		
Is there a specified work plan that aligns with the goals?	×		
Does the work plan incorporate existing best practices, if any?	×		
Are the proposed solutions achievable and significant?	×		
Does the solution hold promise for new IUVA Membership?	×		
Are there existing resources to support project?	×		
Do the proposed Task Force members reflect an inclusive industry cross-section?	×		
Is there reasonable expectation for new resource development?		×	
Is specified project infrastructure sufficient to support project?	×		
Is there a strong leader and membership to achieve project goals?	×		
Are roles and responsibilities of implementation team specified?	×		
Are the expectations for IUVA involvement reasonable?	×		
Are there stated reasonable and measurable outcomes?	×		
Is the timeline appropriate for scope of project?	×		
Does the project have potential to “achieve best practice” status?	×		
Will project have regional, national, global impact, if successful?	×		
Is there a communication strategy for sharing results?	×		