

IUVA Task Force Proposal

Thank you for your interest in submitting an IUVA Task Force Proposal.

Please complete the questions on this page—note the sample below for guidance, and also the Appendix 1 check-list, that will be used to evaluate your proposal. Please send this completed page to info@iuva.org.

Please complete the following items to help IUVA evaluate the proposed Task Force.

Your name, affiliation and email address:

- George Diefenthal
- CEO of NeoTech Aqua Solutions
- georged@neotechaqua.com

Task Force name:

- Industrial UV Standard

Task Force leader (if not you):

- Same

Background. Describe the overall need/opportunity for establishing this task force in 1 or 2 paragraphs:

- There has been a lot of work done with regard to UV standards for drinking water (NSF) and wastewater (NWRI), but little to no work done for industrial applications
- An exception would be recreational water (NSF-50), but the application of drinking water standards for crypto and giardia has caused this standard to be confusing. Secondary water requires reduction in crypto, while supplementary require pseudomonas. It is generally recognized that pseudomonas has a higher dose requirement than crypto.
- There are many industries that could benefit from the use of UV systems in their processes, like food and beverage, hospitality, cooling towers, life sciences. Trying to fit all their needs into the models for municipal drinking water or wastewater will be difficult and expensive. This will tend to reduce the penetration of UV into the market place.
- Some industry regulating bodies have started to address this, like ASHRAE, but a clear standard from a recognized industry experts could provide the framework they need.

Scope or objective of the task force. Note that a Task Force is intended to be a short-term effort to address a specific need, with a specific deliverable. A longer-term initiative to explore multiple aspects of an issue would be better addressed by a standing committee.

- Many industries do not yet have criteria set forth, a standing committee should be created to work with industries in developing the criteria and standards that will work for them, as well as updating the ones created by this task force.

Anticipated process for Task Force activities:

- After the team is put together we would break the main activities into subcommittees and have them report back to us on a monthly basis.

Anticipated Task Force deliverables/timeline:

- Define the initial group on industries to address
- Review the EPA alternate test method and work on a test protocol
- Write a standard
- Define standards by industry (pathogen, dose, log removal, UVT, etc.)
- Define in field monitoring
- The process would probably take about two years, depending on time that can be devoted to the project by the volunteers

Initial participating members/affiliations (this list may be amended as the group develops):

- I have not asked any persons to join this task force yet
- There is a group of people that I was working with at NSF that was addressing this issue, I would start with that group
- I think it is important to have members from UV manufacturers, relevant industry regulators or regulatory bodies, industry users, and if we can get them, folks from NSF, UL, or the WQA.

Resource requirements:

- Assistance in setting up meetings
- Assistance in managing task force documentation (meeting minutes, standard protocols, etc.)
- Communication liaison with the IUVA board
- Assistance in how to roll out the certification process