



## MEETING LOG

**SUBJECT:** UL 8400 Biocompatibility Task Group Meeting on Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR) Technology Equipment

**OP PLAN ENTRY:** Wearable Technology

**DATE OF MEETING:** 9/17/2025

**LOCATION OF MEETING:** Virtual

**CPSC STAFF FILING MEETING LOG:** Stephen Harsanyi (ESHF)

**FILING DATE:** 9/19/2025

**CPSC ATTENDEE(S):** Brad Gordon (ESMC), John Gordon (HSTR), and Stephen Harsanyi (ESHF)

**NON-CPSC ATTENDEE(S):** Contact ULSE for the full attendee list.

### Summary of Meeting:

The Biocompatibility Task Group (TG) for ULSE Technical Committee (TC) 8400 on Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR) Technology Equipment (“immersive technologies”), convened to improve the biocompatibility requirements specified in the standard. The following is a brief recap of the more substantive points discussed during the meeting:

1. CPSC staff expressed that UL 8400 should require instructions for disinfection. Staff referred the group to research shared ahead of this meeting by other members who could not attend this meeting; research that explained how bacteria and viruses can thrive on the primary contact points of immersive technologies and transfer to other users. Manufacturers in the group argued that there is not enough of a hazard pattern to justify disinfection requirements, even for commercial use products intended for multiple users.
2. CPSC staff requested that UL 8400 include testing requirements to demonstrate that reasonably foreseeable cleaning and disinfection methods, particularly use of alcohol disinfection wipes, do not degrade the material such that users are exposed to harmful chemicals. Manufacturers in the group opined against this recommendation, explaining that disinfection is unnecessary and that alcohol can destroy the materials.
3. The TG reviewed the draft requirements intended to reduce the risk of inhalation of volatile organic compounds (VOCs). For the upcoming revision to the standard, these requirements are predominantly focused on off-gassing. CPSC staff requested that later revisions to the standard consider other inhalation risks, such as odor cartridges used to complement virtual experiences.

### Next Steps:

The Biocompatibility TG plans to reconvene virtually on October 15, 2025, at 1 PM ET. The TG intends to discuss the biocompatibility section a final time before bringing the group’s recommendations to the full TC for preliminary review. Currently, the TG is at an impasse regarding points 1 and 2, above, and will present both options for the full TC to make a determination.