



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: 1/8/2025

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Stephen Harsanyi (ESHF)

FILING DATE: 1/16/2025

CPSC ATTENDEE(S): 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 for ULSE Technical Committee (TC) 8400 on Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR) Technology Equipment, convened to improve the biocompatibility requirements specified in the standard. The task group predominantly focused on addressing risks for inhalation of volatile compounds, such as off-gassing and from scent/odor emitting products. CPSC staff expressed concern for the subject products heating during use, being used on sweaty skin, and being worn on or near the face. CPSC staff also expressed concern for third-party accessories such as the scent/odor emitting devices currently on the market and being developed. Other task group members also expressed concern for scent/odor emitting products and identified various risks to consider for such products. CPSC staff recommended that the TC should address third-party accessories for VR, AR, and MR products, such as scent/odor emitting products and haptic suits, so that manufacturers of such products would use UL 8400, *Standard for Safety, Virtual Reality, Augmented Reality, and Mixed Reality Technology Equipment*, as a resource to develop safer products. The task group agreed to develop a poll for the TC to vote on how to move forward regarding addressing third-party accessories.

Additionally, one member recommended the biocompatibility section should address short-term skin compatibility concerns, as currently the section is focused on what the TC considers long-term contact. CPSC staff agreed with this addition to the section. Similarly, CPSC staff recommended the section should address both short-term and long-term risks of exposure through inhalation.

Next Steps:

The Biocompatibility Task Group plans to reconvene on January 29, 2025, at 1 PM, ET, to continue developing the skin and inhalation compatibility requirements. The task group plans to send the third-party accessories poll out to the full TC for discussion in the next TC meeting, which is scheduled for February 11, 2025, from 10 AM to 11 AM, ET.