



MEETING LOG

SUBJECT: Underwriters Laboratories (UL) Technical Committee (TC) 943 for Ground-Fault Circuit-Interruption (GFCIs) Task Group (TG) Meeting for Frequencies

FY 23 OP PLAN ENTRY: National Electrical Code

DATE OF MEETING: September 15, 2023

LOCATION OF MEETING: Virtual

CPSC STAFF FILING MEETING LOG: Doug Lee, Office of Hazard Identification and Reduction (EXHR)

CPSC ATTENDEE(S): Doug Lee, EXHR

NON-CPSC ATTENDEE(S):

Roger Pareja, UL Standards Specialist

Paul Reid, Schneider Electric

And other TG members and guests (see UL for attendees)

Summary of Meeting:

The focus of the Task Group is to develop proposals for the performance of GFCIs at other than 60 Hz. This work supports the National Electrical Code (NEC-NFPA 70) Task Group work on Section 210.8 for GFCIs.

Mr. Reid reviewed a TG proposal for two new optional ratings for UL 943 Class A GFCIs. The first is for a Class A – High Frequency (Class A-HF) rating, which is intended to identify a Class of GFCIs that have been specifically evaluated for performance to be immune to frequencies higher than 60 Hz leakage current for less than 4 x FF (Frequency Factor) from 60 Hz to 150 kHz. The second is for a High Frequency (Class A-HF+) rating device, which would perform like a Class A-HF device and also interrupt the circuit if differential current at frequencies from 60 Hz to 50 kHz are equal to or greater than 6 x FF.

The TG intends to revise the language and submit proposals for balloting.

Next Steps:

CPSC staff will continue to monitor the developments of new requirements and participate in related task groups.