



U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, DC 20207

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**Subject: Certification of Ground-Fault Circuit Interrupters
Manufactured for the U.S. Market**

To: UL STP 943 Members and GFCI Manufacturers

The U.S. Consumer Product Safety Commission (CPSC) staff has worked cooperatively with Underwriters Laboratories Inc. (UL), the developer of the safety standard for Ground-Fault Circuit-Interrupters (GFCIs), and the National Electrical Manufacturers Association (NEMA), which represents GFCI manufacturers, to address GFCI field failures.

UL has adopted new safety certification requirements that will improve GFCI reliability. The effective date of the new requirements was January 1, 2003. UL will require products manufactured after the effective date to pass all of the new safety certification requirements to be "listed" by UL when they are certified to UL 943, *Standard for Ground-Fault Circuit-Interrupters*. The CPSC staff believes that adoption of these safety certification requirements will result in significant improvements in GFCI reliability and safety for consumers, and encourages all manufacturers of GFCIs to have their products certified to these newly effective safety certification requirements.

The newly adopted certification requirements are:

1. Expansion and Revision of Surge Test Requirements
2. Resistance to Moisture and Corrosion Test
3. Reverse Line-Load Miswire Test (Line Terminals)
4. New Requirements for Abnormal Overvoltage Test
5. New Requirements for Operational Mechanism Test
6. Replacement Requirement for Resistance to Environmental Noise Test
7. Supplemental Voltage Surge Test

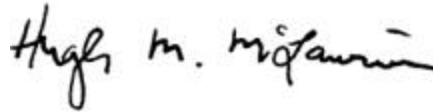
Items 1, 4, 5 and 6 received consensus as part of the American National Standards Institute (ANSI) review process and are included as requirements within ANSI/UL 943. The

remaining requirements, items 2, 3 and 7, have not yet received consensus and thus are not presently included in ANSI/UL 943. However, they will be submitted by UL for consensus balloting to be included in the ANSI/UL standard in the near future. We encourage UL STP 943 members to take the necessary action to add these requirements into ANSI/UL 943.

The CPSC staff has written to third party testing laboratories that certify products that conform to UL 943, encouraging them to match UL's commitment to consumer product safety by informing their clients of the new UL requirements, and ensuring that the products they test meet all of these requirements.

Thank you for your attention to this matter. The views expressed in this letter are those of the CPSC staff and have not been reviewed or approved by the Commission.

Sincerely,

A handwritten signature in black ink, appearing to read "Hugh M. McLaurin". The signature is fluid and cursive, with the first name "Hugh" being the most prominent.

Hugh M. McLaurin

cc: Paul Orr, UL/Northbrook
Jim Beyreis, UL/Northbrook
Gordon Gillerman, UL/Washington
Edward Minasian, UL/Melville
John Smith, UL/Melville
Colin Church, CPSC
William King, CPSC