

Fault-Managed Equipment and Cables

UL 1400-1 & UL 1400-2 Update



Fault- Managed Power Systems – UL 1400-1 – Updates

- Outline Published in Dec. 2022
- 3 Certifications Completed (DLQC)
- Currently working on Issue 2 of the Outline – many comments are being reviewed by the Working Group
- Weekly Meetings – expected to be complete by the end of Q2
- Next Steps:
 - Issue 2 of the Outline will be submitted as a Consensus Standard
 - Establish a Technical Committee(TC)
 - Possible harmonization (CSA)

December 19, 2022

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UL 1400-1

Outline of Investigation for Fault-Managed Power Systems – Part 1: Safety
Requirements

Issue Number: 1

December 19, 2022

Summary of Topics

This first issue of the Outline of Investigation for Fault-Managed Power Systems – Part 1: Safety Requirements, UL 1400-1, dated December 19, 2022, covers power distribution systems that utilize sophisticated monitoring and control methods to mitigate the risks of fire and shock normally associated with voltages over 30 Vac or 60 Vdc and power levels exceeding 100 watts.

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Fault- Managed Power Systems – UL 1400-1 – Updates

- **Goal of the Working Group**
 - **Clarify definitions and use terminology consistently**
 - **Review possible overlap of tests**
 - **Organize requirements so they flow better**
 - **Remove references to the ATIS document (test methods etc.)**
 - **Clarify connector requirements**
 - **Review Parallel Arc Fault Testing**



Fault- Managed Power Systems – UL 1400-2 – Updates

- Outline Issue 2 Published in July 2023
- Added requirements for CL4Z cables (for use outdoors)
- 10 Certifications Completed (DLPY)
- Next Steps:
 - Issue 2 of the Outline will be submitted as a Consensus Standard
 - Establish a Technical Committee(TC)
 - Possible harmonization (CSA)

July 13, 2023

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UL 1400-2

Outline of Investigation for Fault-Managed Power Systems – Part 2:

Requirements for Cables

Issue Number: 2

July 13, 2023

Summary of Topics

This is the second issue of the Outline of Investigation for Fault-Managed Power Systems – Part 2: Requirements for Cables, UL 1400-2, dated July 13, 2023, updates the requirements to include CL4Z Cables used in fault-managed power systems.

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Questions



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