



Electrical Safety Cycle

The National Electrical Code

The **Electrical Safety Cycle**, built from **Codes and Standards**, is the first line of defense against potential **electrical hazards**.

The Electrical Safety Cycle:



Government agencies and testing laboratories provide statistics, data, and research to **identify emerging safety issues**



1. Identifying the Problem

A



New technology is created to **mitigate hazards** not addressed in previous editions of the NEC

B



This technology is then **tested by a 3rd party testing laboratory** to ensure safe everyday use and compliance to safety standards

2. Identifying the Solution

4. Enforcing the Code

A

The NEC is **updated** every **3 YEARS**

B



Electrical contractors use the NEC to **ensure products are safely installed**

C



Code **enforcement inspections** verify that installation meet code requirements

3. Implementing the Code

A



New technology is **presented to the public and technical committees** for consideration in the NEC

B



New code requirements are **revised by NFPA's committee** on the NEC

C



Public, expert and consumer **feedback is taken and reviewed**

D



Code is now complete and is **presented to states for adoption**

E



The majority of NEC changes are **installation safety standards**

Is your state up to code and following the Electrical Safety Cycle? Learn more at ESFI.org

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