AGENDA

8:30 Opening and Welcome  
Mr. Jacob Flewelling, U.S. Trade and Development Agency (USTDA)  
Ms. Madeleine McDougall, American National Standards Institute (ANSI)

8:45 Overview of this Workshop: Technical Principles and User Practices  
Mr. Gene Eckhart, National Electrical Manufacturers Association (NEMA)

9:00 National Electrical Safety Code: An Installation Code for Utilities  
Mr. Lauren E. Gaunt, Eversource Energy  
Mr. Mark A. Konz, Gulf Power Company

The National Electrical Safety Code, developed by the ANSI accredited C2 Committee, covers basic provisions for safeguarding persons from hazards arising from the installation, operation, or maintenance of (1) equipment in electric supply stations, and (2) overhead and underground electric supply and communication lines. It also includes work rules for the construction, maintenance, and operation of electric supply and communication lines and equipment. The standard is applicable to the systems and equipment operated by utilities, or similar systems and equipment, of an industrial establishment or complex under the control of qualified persons. This standard consists of the introduction, definitions, grounding rules, list of referenced and bibliographic documents.

9:45 Fundamentals of Safe Electrical Installations in Users Facilities  
Mr. Gene Eckhart, NEMA

Years of experience have shown that a safe electrical system includes several technical requirements, including installation codes, product standards, certification, and verification of the installation. If any of these component parts are missing or incomplete the government authorities having jurisdiction over a particular project are not in position to issue a permit to use the facility, and in fact should not do so.

10:30 Break

10:45 Emerging Electrical Codes for Renewable Energy Sources  
Mr. Mark A. Konz, Gulf Power Company
The widespread use of renewable sources of electricity on a commercial basis by electrical utilities, particularly photovoltaic (PV) and wind energy, which has increased significantly in recent years, has required the development of additional chapters or sections to existing installation codes to ensure that proven principles are applied on a consistent basis to ensure that the installations are safe for both suppliers and users of electricity. Development of these additional chapters is an ongoing effort by several organizations and will likely require a few years to complete.

11:45 Safety in Practice: Electricity in the workplace and the home
Mr. Gene Eckhart, representing Electrical Safety Foundation International (ESFI)

Even when all the proper technical components for an electrical installation are met and approved, in practice, day to day safety is the responsibility of the persons using electrical energy. The safe use of electricity in the workplace, e.g., avoiding the hazards of arc flash, and the safe use of electricity in the home, particularly protecting children, requires education derived from lessons learned over decades of safe electrical use.

12:15 Closing Summary
Mr. Gene Eckhart/ANSI