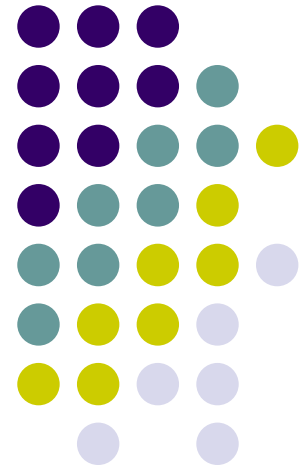


Welcome to Subcommittee D

Chairman
John E. Merando,
Bechtel Corp.

Vice Chairman
Albert H. Spear,
Duke Energy



Subcommittee D



Generating Station and Industrial Cables

Subcommittee D

Scope



- Develop standards and guidelines
- Selection, application, installation and testing of cable for plant applications
- Facilitates technical discussions
- Cable systems for:
 - power (medium and low voltage)
 - control
 - signaling
 - communication
 - data transmission

Subcommittee D

Scope (cont.)



- Power generation, industrial, shipboard, military, submarine, mining, and transportation
- Conduit, tray, plenum, or direct buried
- Fiber optic cable installation in power generating stations and industrial facilities.
- Excludes T&D cables

Subcommittee D

Working Group Meetings



Monday WG Meetings

- D4D Smoke, Toxicity & Corrosive By-Products of Cable Combustion, 2:00 - 3:15 pm
- D17W Circuit Integrity Cable Testing Using Hydrocarbon Pool Fire Test Protocol (P1717), 3:30 - 5:30 pm

Subcommittee D

WG Meetings (cont.)



Tuesday WG Meetings

- D5W Station Cable (IEEE P1185), 8:00 – 10:00
- D10D Class 1E Cables for Nuclear Plants (IEEE 383), 10:15 am – 12:00 Noon
- D11W Guide for Shielding Practice for Low Voltage Cables (IEEE P1143), 2:00 – 3:15 pm
- D16W Fiber Optic Cable Qualification (P1682), 3:30 - 5:30 pm

Subcommittee D

WG Meetings (cont.)



Wednesday WG Meetings

- D14D Revision of IEEE 422, 8:00 – 10:00 am
- D3W Guide for Selecting & Specifying Petro-Chem Plant Cables (IEEE 1242), 10:15 – 12:00 Noon

Subcommittee D

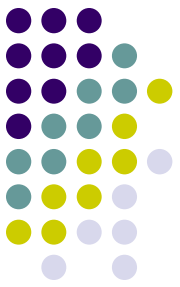
Existing Standard Work



- IEEE 383 – 2003, Issued & Published
- IEEE 634 – 2004, Issued & Published
- IEEE 848 – 1996, Reaffirmed in 2003. Revision in progress by WG.
- IEEE 1143 – 1994, Reaffirmed in 2004 with comments. WG is writing a PAR and discussing changes to standard.

Subcommittee D

Existing Standard Work (cont.)



- IEEE 1185 – 1994, Reaffirmed in 2000. PAR extension granted until Dec 2008. Draft D7 is currently in balloting.
- IEEE 1202 – 2006, Issued & Published
- IEEE 1242 – 1994, Reaffirmed in 2005. Joint PCIC & ICC activity. WG reforming to begin revision to standard.
- IEEE 1428 – 2004, Issued & Published

Subcommittee D

Activities of Interest



- WG D3D – Working on PAR to begin a revision to IEEE 1242 (Guide for Selecting & Specifying Petro-Chem Plant Cables)
- WG D10D - Discussing potential changes to IEEE 383-2003 and effect of Draft RG 1132
- WG D14D – Working on PAR to begin a revision to IEEE 422 (Guide for the Design of Wire and Cable Systems Used in PGS)

Subcommittee D

Best Presentation Fall 2007

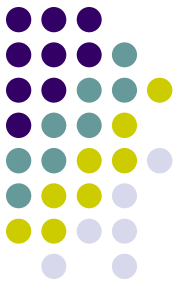


“Fire-Induced Spurious Actuation Testing of Armored-Cable Control Circuits”

Steven Graham,
Duke Energy

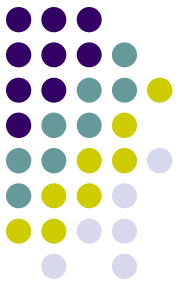
Subcommittee D

Potential Presentations



- Fall 2008
 - **Nuclear Cable Aging Management by Gary Toman**
 - **New Construction and Retrofits Using ZHLS Cables by Dave Kidoo**
 - **Vertical Cable Support Failures at North Anna Nuclear Plant by Robert Fleming**
 - **The Level System by Roland Watkins**
- Contact any Sub D Officer or WG Chairman to be a part of this program

Subcommittee D Program



- *9:15 – 9:30* – **Subcommittee Business** – John Merando, Bechtel and Bert Spear, Duke-Energy
- *9:30 - 9:50* – **Mitigating the Effects of Explosions in Underground Electrical Structures** by W.Z. Black of School of Mechanical Engineering, Georgia Institute of Technology
- *9:50 - 10:15* – **Ampacity Testing of Fire Protected Raceways** by Kent Brown, TVA

Subcommittee D Program



- ***10:15 - 10:30 Coffee/Soda Break by ICC***
- ***10:30 - 11:00 – Heat Flux in Fire Tests*** by Javier Trevino, Intertek
- ***11:00 - 11:30 – Recap of December 2007 EPRI Cable Users Group Meeting*** by Robert Konnik, Rockbestos-Surprenant Cable Corp

Subcommittee D



**Please place cell phones,
blackberries, beepers,
pagers, etc. in vibrate mode
or turn them off.**

Thank you