

# Welcome to Sub B Cable Accessories

**Chairman:** Harry Yaworski, Tyco Electronics

**Vice Chair:** Tom Champion, NEETRAC /  
Georgia Tech (acting)



# Agenda

- (2:00 – 2:10) Opening announcements**
- (2:10 – 2:45) “Highlights of Termination Selection Guide, P-1637”, Bill Taylor 3M**
- (2:45 – 3:30) “IEEE 404: Past, Present, and Future”, Glenn Luzzi, Richards Manufacturing Company**
- (3:30 – 3:45) Break**
- (3:45 – 4:30) “Exploration of IEC 60502-4 & IEC 60840 as Compared to IEEE 404-2006”, Wolfgang Haverkamp, WBH Engineering**
- (4:30 – 5:00) “Sub B Winter Olympics”, Tom Champion, NEETRAC / GaTech**

# Announcements

## Job Openings

- **Sub B Vice Chair**
- **B6W, Arrester Application Guide to Protect Shielded Systems**
  - Chair, Open
  - Vice Chair, John Makal

# Announcements

## Jobs Filled

- **Thank you to Saleman Alibhay for vice chairing B2D, IEEE 404 Cable Joint Std**
- **Thank you to Farris Jibril for vice chairing B10W, IEEE 1637 Termination Selection Guide**

# Announcements

## **Letter of encouragement for participation in ICC**

- Send email to Subcommittee Chair or Vice Chair with names and addresses of those to receive letter

## **ICC participation benefits brochure**

- Currently being developed by Tom Champion

# Awards

## **Best Speaker (Last Meeting)**

- **Test Program for Cu and Al Connectors under Severe Ageing Conditions**

**Vern Buchholz**

**Canadian Copper and Brass Development  
Association**

# Presentations

## DEADLINES

- Due **ONE MONTH** before meeting
  - Presentation title and abstract
  - Biographical sketch
  - Time required
- Due **1 WEEK** before meeting
  - Copy of presentation sent to chair or vice-chair

# Current Issues

- New cable constructions with strandfill / blocking compounds and their impact on connector performance
- Requirements for metallic shield connections at joints and terminations
- Bending requirements for cable joints in manholes
- others

# Current Issues

- Wind and solar farms
  - Distributed generation demands high reliability
  - High peak loads and large number of load cycles impacts joints and connectors
  - High temporary overvoltages impact elbow arresters
  - Field PD Diagnostic Testing revealing poor workmanship and rework of cable accessories



# Future

- Electric Vehicles

- Charging an EV will significantly increase load on cable accessories and connectors
- EVs charged at night could have the effect of doubling the number of load cycles



# Future

- Smart Grid
  - New load cycling patterns
  - Smart accessories with sensing and signaling



# Future Meetings

- **Fall 2010** – Scottsdale / Fountain Hills, AZ  
October 17 - 20, 2010  
Radisson Fort McDowell
- **Spring 2011** – St. Petersburg, FL  
May 22 - 25 , 2011  
Tradewinds Grand Island Resort

# Presentations