

# IEEE Substations Committee Meeting Schedule

Sunday May 17, 2015

|          | C<br>Hiawatha 1                                 | D | E<br>Hiawatha 3   | I | K |
|----------|---|---|---|---|---|
| 7:00 AM  | <b>Continental Breakfast</b><br>(Winter Garden) |   |   |   |   |
| 8:00 AM  |   |   |   |   |   |
| 9:00 AM  | C0- IEEE Std.<br>1815 DNP3<br>Tutorial          |   | E2- IEEE 980 -<br>Guide for Oil<br>Containment<br>Systems |   |   |
| 10:00 AM | <b>Break</b> (Winter Garden)                    |   |   |   |   |
| 10:15 AM | C0- IEEE Std.<br>1815 DNP3<br>Tutorial          |   | E2- IEEE 980 -<br>Guide for Oil<br>Containment<br>Systems |   |   |
| 12:00 PM | <b>Lunch Break</b><br>(on your own)             |   |   |   |   |
| 1:30 PM  |   |   |   |   |   |
| 2:30 PM  | C0- IEEE Std.<br>1815 DNP3<br>Tutorial          |   |   |   |   |
| 3:30 PM  | <b>Break</b> (Winter Garden)                    |   |   |   |   |
| 3:45 PM  | C0- IEEE Std.<br>1815 DNP3<br>Tutorial          |   |   |   |   |
| 5:30 PM  |   |   |   |   |   |
| 6:00 PM  | <b>New Member Orientation</b><br>(Rock Island)  |   |   |   |   |
| 7:00 PM  |   |   |   |   |   |
| 7:30 PM  | <b>Welcome Reception</b><br>(Great Hall)        |   |   |   |   |
| 9:30 PM  |   |   |   |   |   |

# IEEE Substations Committee Meeting Schedule

Monday May 18, 2015

|                   | Companion Tours   | Technical Tours  | B<br>Soo Line                                   | C<br>Hiawatha 1                                  | D<br>Rock Island  | E<br>Charles Frost     | E<br>Great Hall      | I<br>Hiawatha 2                                  | K<br>Hiawatha 3                               |
|-------------------|---|--|---|--|---|------------------------|----------------------|--|---|
| 6:30 AM           |   |  |   |  |   |                        |                      |  |   |
| 7:30 AM           |   |  | B0<br>Admin Sub                                 | Continental Breakfast<br>(Winter Garden)         |   |                        |                      |  |   |
| 8:00 AM           |   |  | A0 – Main Substations Committee<br>(Great Hall) |  |   |                        |                      |  |   |
| 9:30 AM           |   |  | Break (Winter Garden)                           |  |   |                        |                      |  |   |
| 9:45 AM           |   |  | A0 – Main Substations Committee<br>(Great Hall) |  |   |                        |                      |  |   |
| 11:00 AM          | Companion Tour:<br>Let Us Get Acquainted with Minnesota Nice<br>9:30am - 1:15pm |  |   | C2 - P1613/P1613.1<br>Environmental Requirements | D0- Design Subcommittees<br>E0 - O&M & Design Subcommittees |                        |                      |  | K0 GIS Subcommittee                           |
| 12:00 PM          |   |  | Awards Luncheon<br>(Depot Pavilion)             |  |   |                        |                      |  |   |
| 1:00 PM - 1:15 PM |   |  |   |  |   |                        |                      |  |   |
| 1:30 PM           |   |  |   | C12 - P1815<br>DNP3                              | D5 - Direct Lightning Stroke                                | E5 - Animal Deterrents | E2 - Oil Containment | I0 - High-Voltage Power Electronics Subcommittee | K1 GIS Spec. C37.122 & K12 Guide Spec for GIS |
| 3:00 PM           |   |  | Break (Winter Garden)                           |  |   |                        |                      |  |   |
| 3:15 PM           |   | Tech Tour:<br>Target Field "Behind the Scenes"<br>2:00-5:00 pm |   | C14 - P1815.1<br>DNP3 - 61850 Mapping            | D7 - Grounding  | E5 - Animal Deterrents | E2 - Oil Containment | I0 - High-Voltage Power Electronics Subcommittee | K2 GIS/GIL Tutorial Planning                  |
| 4:00 PM           |   |  |   |  |   |                        |                      |  |   |
| 4:30 PM           |   |  |   |  |   |                        |                      |  |   |
| 5:00 PM           |   |  |   |  |   |                        |                      |  |   |
| 6:30 PM           |   |  | B0<br>Admin Subcommittee                        |  |   |                        |                      |  |   |
| 9:30 PM           |   |  |   |  |   |                        |                      |  |   |

# IEEE Substations Committee Meeting Schedule

Tuesday May 19, 2015

|            | Companion Tours  | Technical Tours                               | B<br>Soo Line                | C<br>Hiawatha 1                                  | D<br>Great Hall                   | D<br>Rock Island | E<br>Charles Frost                        | I<br>Hiawatha 2                                 | K<br>Hiawatha 3                        |
|------------|--|---|------------------------------|--|-----------------------------------|------------------|---|---|--|
| 6:30 AM--  |  |   |                              |  |                                   |                  |   |   |  |
| 8:00 AM -- |  |   | B0<br>Admin<br>Subcmte       | Continental Breakfast<br>(Winter Garden)         |                                   |                  |   |   |  |
| 9:45 AM--  |  |   |                              | C3 - PC37.1.1<br>I/O<br>Requirements<br>for IEDs | D8 Turnkey<br>Substation<br>Specs | D1 - Clearances  | E4 - Substation<br>Safety                 | I5 - Voltage<br>Sourced<br>Converters<br>(SVCs) | K2 GIS/GIL<br>Tutorial                 |
| 10:00 AM-- |  |   | Break (Winter Garden)        |  |                                   |                  |   |   |  |
| 10:15 AM-- |  |   |                              | C4 - PC37.237<br>COMTAG                          | D8 Turnkey<br>Substation<br>Specs |                  | E4 - Substation<br>Safety                 | I5 - Voltage<br>Sourced<br>Converters<br>(SVCs) | K6 GIS and GIL<br>Forum of Users       |
| 11:00 AM-- |  |   |                              | C15 -<br>P2030.100<br>Implementing<br>IEC 61850  | D8 Turnkey<br>Substation<br>Specs |                  |   |   |  |
| 12:00 PM-- |  |   | Lunch Break<br>(on your own) |  |                                   |                  |   |   |  |
| 1:00 PM--  | Companion Tour:<br>Flour Tower to<br>Flower Power<br>9:45am-4:30pm | Tech Tour:<br>Hiawatha Project<br>1:00-4:30pm |                              |  | D8 Turnkey<br>Substation<br>Specs | D2 - Cable       | E6 - Measuring<br>Ground and<br>Impedance | I5 - Voltage<br>Sourced<br>Converters<br>(SVCs) | K0 - GIS Tour -<br>Hiawatha<br>Project |
| 3:00 PM--  |  |   | Break (Winter Garden)        |  |                                   |                  |   |   |  |
| 3:15 PM--  |  |   |                              | C6 - P1711.1<br>SCADA (SSPP)                     | D8 Turnkey<br>Substation<br>Specs | D2 - Cable       | E6 - Measuring<br>Ground and<br>Impedance | I5 - Voltage<br>Sourced<br>Converters<br>(SVCs) | K0 - GIS Tour -<br>Hiawatha<br>Project |
| 4:00 PM--  |  |   |                              | C17 - P1711.2<br>SCADA (SSCP)                    |                                   |                  |   |   |  |
| 4:30 PM--  |  |   |                              |  |                                   |                  |   |   |  |
| 5:00 PM--  |  |   |                              |  |                                   |                  |   |   |  |

# IEEE Substations Committee Meeting Schedule

Wednesday May 20, 2015

|                      | <b>Companion Tours</b>  | <b>B</b><br>Soo Line                | <b>C</b><br>Hiawatha 1                             | <b>D</b><br>Rock Island | <b>D / E</b><br>Charles Frost        | <b>E</b><br>Great Hall                     | <b>I</b><br>Hiawatha 2  | <b>K</b><br>Hiawatha 3  |
|----------------------|---|-------------------------------------|--|-------------------------|--------------------------------------|--|---|---|
| 7:00 AM              |   |                                     |  |                         |                                      |  |   |   |
| 8:00 AM              |   | <b>B0</b><br>Admin Subcmte          | <b>Continental Breakfast</b><br>(Winter Garden)    |                         |                                      |  |   |   |
| 9:30 AM              |   |                                     | C5 - PC37.2<br>Device<br>Functions and<br>Acronyms | D2 - Cable              | D3 - Bus                             | E1- Community<br>Acceptance                | I9 - Modern<br>Protection<br>System for Static<br>Var<br>Compensators | K16 Advanced<br>Current &<br>Voltage Sensors<br>in GIS                    |
| 10:00 AM             | <b>Companion Tour:</b><br>A Taste of<br>Minneapolis:<br>Cooking Class;<br>9:30am-1:00pm | <b>Break</b> (Winter Garden)        |  |                         |                                      |  |   |   |
| 10:15 AM             |   |                                     | C8 - P1615<br>Network Comms<br>in Substations      | D2 - Cable              | D3 - Bus                             |  | I9 - Modern<br>Protection<br>System for Static<br>Var<br>Compensators | K10 - GIS<br>Handbook<br>Second Edition<br>K17 - GIS<br>Physical Security |
| 12:00 PM             |   | <b>Lunch Break</b><br>(on your own) |  |                         |                                      |  |   |   |
| 1:00 PM              |   |                                     |  | D9 - AC/DC              | E7 - Substation<br>Physical Security | E9 - Permanent<br>Grounding<br>Connections | I9 - Modern<br>Protection<br>System for Static<br>Var<br>Compensators | K18 Standard for<br>Mobile GIS (1Hr)                                      |
| 2:00 PM              |   |                                     |  |                         |                                      |  |   |   |
| 3:00 PM -<br>3:15 PM |   | <b>Break</b> (Winter Garden)        |  |                         |                                      |  |   |   |
| 4:30 PM              |   |                                     | C11 - P2030.101<br>Time Synch<br>Design            | D9 - AC/DC              | E7 - Substation<br>Physical Security | E9 - Permanent<br>Grounding<br>Connections | I9 - Modern<br>Protection<br>System for Static<br>Var<br>Compensators | K15<br>Recommend<br>Practices Field<br>Testing GIS                        |
| 5:00 PM              | <b>Social Banquet – Wabasha Street Caves</b><br>(meet in the lobby)                     |                                     |  |                         |                                      |  |   |   |
| 10:30 PM             |   |                                     |  |                         |                                      |  |   |   |

# IEEE Substations Committee Meeting Schedule

Thursday May 21, 2015

|            | <b>C</b><br><b>Hiawatha 1</b>                    | <b>D</b><br><b>Rock Island</b>   | <b>E</b><br><b>Charles Frost-</b> | <b>E</b><br><b>Hiawatha 3</b>                    | <b>I</b><br><b>Hiawatha 2</b>  |
|------------|--|--|-----------------------------------|--|--------------------------------|
| 7:00 AM    | <b>Continental Breakfast<br/>(Winter Garden)</b> |  |                                   |  |                                |
| 8:00 AM    | C20 - PC37.1.2 Databases<br>in SAS               | D5- Tutorial - 998 –<br>Direct Lightning<br>Stroke Shielding of<br>Substations | E3 - Fire Protection              | E - Task Force on<br>Surface Material<br>Testing | I4 - Static Var<br>Compensator |
| 9:00 AM    | C19 - PC37.249 Security of<br>Data Files         |  |                                   |  |                                |
| 10:00 AM-- | <b>Break (Winter Garden)</b>                     |  |                                   |  |                                |
| 10:15 AM-- | PC37.238 - PTP Power<br>Profile                  | D5- Tutorial - 998 –<br>Direct Lightning<br>Stroke Shielding of<br>Substations | E3 - Fire Protection              | E - Task Force on<br>Surface Material<br>Testing | I4 - Static Var<br>Compensator |
| 11:00 AM-- | C16 - P2030.102.1 IPSEC                          |  |                                   |  |                                |
| 12:00 PM   | <b>Lunch Break<br/>(on your own)</b>             |  |                                   |  |                                |
| 1:00 PM    | C18 - PC37.248<br>COMDEV                         | D5- Tutorial - 998 –<br>Direct Lightning<br>Stroke Shielding of<br>Substations |                                   |  | I4-TF2                         |
| 2:00 PM    | C21 - PC37.xxx<br>COMSET                         |  |                                   |  |                                |
| 3:00 PM    | <b>Break (Winter Garden)</b>                     |  |                                   |  |                                |
| 3:15 PM    | C0 Subcommittee                                  | D5- Tutorial - 998 –<br>Direct Lightning<br>Stroke Shielding of<br>Substations |                                   |  | I4-TF2                         |
| 5:00 PM    |  |  |                                   |  |                                |