

# UTC Region 9 Technical Meeting

September 9-10, 2010  
Best Western - Agate Beach Hotel  
Newport, Oregon

## Meeting Program and Agenda

Thursday September 9th, 2010

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|---------------------|---|
| 8:00 am – 10:30 am  | Registration  |
| 8:00 am – 9:00 am   | Continental Breakfast   |
| 9:00 am – 9:15 am   | Welcome and Daily Update<br>Randy Hopkins, Idaho Power Company, UTC Region 9 Chair  |
| 9:15 am – 10:30 am  | <u>Multiprotocol Label Switching (MPLS) Utility Applications</u><br>A brief review of MPLS and then an exploration of applications in the Utility Space – current and future. <ul style="list-style-type: none"><li>o <i>Mike Robinson – Cisco Systems</i></li></ul>  |
| 10:30 am – 10:45 am | Break   |
| 10:45 am – 12:00 am | <u>Multiprotocol Label Switching (MPLS) Design Studies</u><br>Presentation and discussion of two utility design studies that leverage MPLS technology. <ul style="list-style-type: none"><li>o <i>Venkat Pothamsetty-Cisco Systems</i></li></ul>  |
| 12:00 pm – 1:00 pm  | Luncheon - Meeting Room   |
| 1:00 pm – 2:30 pm   | <u>MPLS Utility Case Studies – Roundtable Discussion</u><br>An opportunity to hear from utilities that are deploying or designing MPLS transport systems and to discuss the design criteria, target outcomes and measurements. <ul style="list-style-type: none"><li>o <i>Randy Hopkins – Idaho Power Company</i></li><li>o <i>Ron Beck – Central Lincoln PUD</i></li><li>o <i>Available for Open Discussion</i></li></ul>                            |
| 2:30 pm – 2:45 pm   | Break   |
| 2:45 pm – 4:00 pm   | <u>Evolution from Legacy TDM to Packet Networks and Predictability in Ethernet/IP transport and Access Networks</u><br>Recent test results of protective relaying latency times and priority performance over a network using DS0/T1 Packetizing Channel Muxes connected to Layer 3 MPLS enabled Routers and transported over OC-192 SONET backbone will be presented. <ul style="list-style-type: none"><li>o <i>Brian Wilkin - Ametek</i></li></ul> |

- 4:00 pm – 4:45 pm *Utility Case Study - MPLS*  
*Presentation with Q&A of PSE's MPLS deployment.*
- o *Lawrence Timpe – Puget Sound Energy*
- 4:45 pm – 5:00 pm Daily Wrap-Up and Dinner plans
- 6:00 pm --7:00 pm Region 9 Hosted Reception  
 Sundowner Deck / Patio Area, Ocean side of Hotel  
 Sponsored by Ametek Power Instruments
- AMETEK**
- 7:00 pm Hosted Dinner  
 Agate Beach Best Western Hotel-Onyx Room
- Friday September 10th, 2010
- 8:00 am – 9:00 am Continental Breakfast
- 9:00 am – 9:15 am Welcome and Daily Update  
 Randy Hopkins, Idaho Power Company, UTC Region 9 Chair
- 9:15 am – 10:15 am Broadband Spectrum: Potential Sources and Challenges  
 A review of the drivers, issues, options and challenges that face utilities moving toward broadband systems for their wireless telecommunications needs - AMI/Smart Grid backhaul efforts.
- o *C. Douglas Jarrett – Keller and Heckman LLP*
- 10:15 am –10:30 am Break
- 10:30 am –11:45 am Utility Towers versus AM Broadcast Stations  
*The FCC often requires AM broadcast stations to operate with directional antenna patterns. Steel towers constructed nearby can cause pattern distortion and serious compliance issues for the station. This presentation will include theory and experience.*
- o *Randy Hopkins – Idaho Power Company*
- Interference issues – Mobile Radio vs. Digital Television  
*Case studies and experiences surrounding interference issues discovered during recent deployments.*
- o *E. Robin Smyth – Gillespie, Prudhon & Associates Inc.*
- 12:00 pm – 1:00 pm Luncheon - Meeting Room  
 (Option would be lunch on the deck and from the menu)  
 Conference concludes at 1PM.