

## Agenda

### Wednesday, November 9th

**7:00AM**                      **Registration & Breakfast**

**8:00 – 8:15AM**              **Welcome Remarks**

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**8:15 – 9:30AM**              **Panel Discussion - Approaches to Solve the Digital Divide**

**9:30 – 9:45AM**              **Networking Break**

**9:45 – 10:45AM**            **Private LTE**

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**10:45-11:00 AM**            **Introduction of Vendors**

**11:00-12:00PM**            **Database Documentation – Challenges and Opportunities**

**12:00 – 1:30PM**            **Networking Lunch with Exhibitors**

**1:30 – 2:00PM**              **Region 7 Member Meeting. Core Members Only**

**2:00 – 3:00PM**              **6 GHz – Where we are and where are we going**

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**3:00 – 4:00PM**              **UTC Leadership Address and Advocacy Update**

**4:00 – 4:30PM**              **State of the Union Utility Presentations**

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The State of the Union Presentation is an opportunity to give an update on staff, projects, and plans taking place at each utility. The presentations are generally more specific to the telecom and IT areas, but interesting and major projects in other departments will often be discussed as well. The presentations are a good way to promote discussion between utilities about ongoing projects, lessons learned, etc.

**5:00 – 7:00PM**              **Networking Reception with Exhibitors**

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### Thursday, November 10th

**7:00AM**                      **Registration & Breakfast**

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**8:00 – 9:00AM**              **900 MHz Rebanding**

**9:00 – 10:00AM**            **Achieving Deterministic Performance for Relaying over IP Radio**

## UTC Region 7 Meeting – Agenda Continued

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The migration of real-time mission-critical applications, such as protective relaying to a packet-based network, poses many challenges when it comes to deterministic performance that ensures reliability. Transporting that communications channel over an IP network with direct fiber has been proven successful, provided the right technology and implementation is carried out. However, many utilities who do not have dark fiber as an option, rely on microwave radio systems where reliability can be even more challenging. The reason is due to the dynamic nature of the environment and obstacles in the link's path, which can render the system susceptible to performance degradations. Furthermore, achieving deterministic performance is paramount since the communication channel for protective relaying circuit requires such deterministic performance.

This presentation will provide an overview of protective relaying protocol as it relates to TDM networks versus Packet networks. It will address the challenges of relaying protocol over packet networks. The presentation will examine the dynamic nature of a microwave radio system when it comes to reliable performance, and the daunting task of achieving deterministic performance and reliability on an IP microwave system for protective relaying. Furthermore, the presentation will analyze the relationship between bandwidth and latency, the importance of timing synchronization, the ability to compensate for packet delay variation, and the need for guaranteed service to ensure a successful deployment of protective relaying over IP microwave radio networks. In conclusion, the presentation will stress the importance of pre-production testing in order to have a successful deployment, avoiding any shortcomings.

Speaker: Manny Duvelson, Product Manager – RFL Products – Hubbell Utility Solutions

**10:00 – 10:15AM      Networking Break**

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**10:15 – 11:15AM      Pole Attachments**

**11:15AM – 12:00PM      Roundtable Discussion & Wrap Up**