



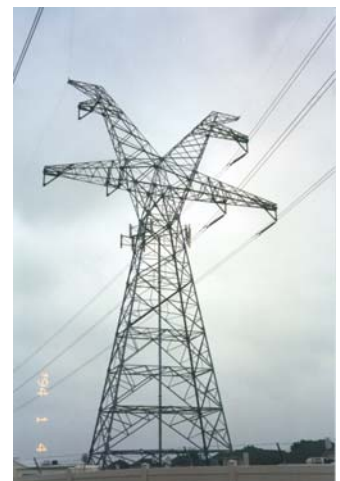
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## RLK & Affiliates

*"Telecommunication  
Protection Experts"*  
Richard Knight

### Telecommunication Protection Services Offered

- **I can engineer and design a total transmission and protection scheme for a new communication system that is subjected to High Voltage at any of the following locations:**
  - A Power Plant, Power Substation, Cell Site, even one associated with a power system transmission tower or pole, and a Solar or Wind Farm site
- **I can analyze an existing communication system for Safety as well as Function and/or Protection:**
  - Has the design and/or installation been done to meet National Standards. Such as the NEC, NESC, as well as the IEEE 487 requirements for a system exposed to High Voltage.
  - This could be for any location that is subjected to High Voltage, lightning, or circuit problems at an "E911" Center.
  
  - Does the equipment installed (correctly?) meet the necessary requirements for the site and the circuit(s) being utilized?
- **I can assist with an existing communication system that is not working correctly or as expected.**
  - Are there circuits that have recurring continuity or transmission problems?
  - Does this result in equipment damage?
- **I can provide 3<sup>rd</sup> Tier Support for all circuit, equipment, and cable related issues with Positron High Voltage Protection Equipment.**
  - This includes but is not limited to problems with circuit turn up, intermittent circuit failures, equipment installations, cabling issues, wiring, circuits that go down for no apparent reason, etc. I can help with all of those and more not listed. I have been doing just that since 1980.





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Do you need to provide new services to an existing site?  
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Do you have a Form 100 or equivalent (High Voltage Service) to fill out or use?

Do you know what GPR means?  
Do you know what a 300 Volt point is?  
Do you know what CGAW or CMAW Cable is?  
Are you picking the right kind of a cable to serve this site?

Having problems with an existing site and communication circuits?  
Do some circuits perform with occasional interruptions, but no trouble is found when technicians are dispatched?

Concerned whether this installation is being done safely and/or correctly?  
Do you know what safety procedures should be followed?

Do you have the right equipment for the service you need to provide?  
Do you understand or even know what type of equipment should be utilized at this site?

Is the equipment installed and/or wired correctly?  
Do you know if it will be installed and/or wired correctly based upon the design?

Do you understand what might happen at this site or to the circuits serving this site?

Does your company have experienced telephone technicians comfortable with a High Voltage electrical environment?

Do you know how the circuit(s) is supposed to perform?  
Do you know what protection level they are to work to?  
What level of service performance are they to be installed for?

If your answers to any of these questions tell you that you need additional information or help then call me or send me an email.  
I look forward to working with you.

Richard Knight  
RLK & Affiliates  
505-298-5400