



Dejan Berek is presently a senior at the University of Louisville J.B. Speed School of Engineering with the intent of getting a Masters in Electrical Engineering. Dejan was sufficient at implementing conventional and LTR Trunking systems up to a point that Kentucky Advanced Communications has become a leader in installation, programming and repair of these systems. Now is the time to push the limits in implementing digital radio systems and IP systems. These digital systems are going to bring better quality audio and data over the digital networks. KYAC will also continue to work on the Radio over IP (ROIP) links as a way to link sites, radios and repeaters.

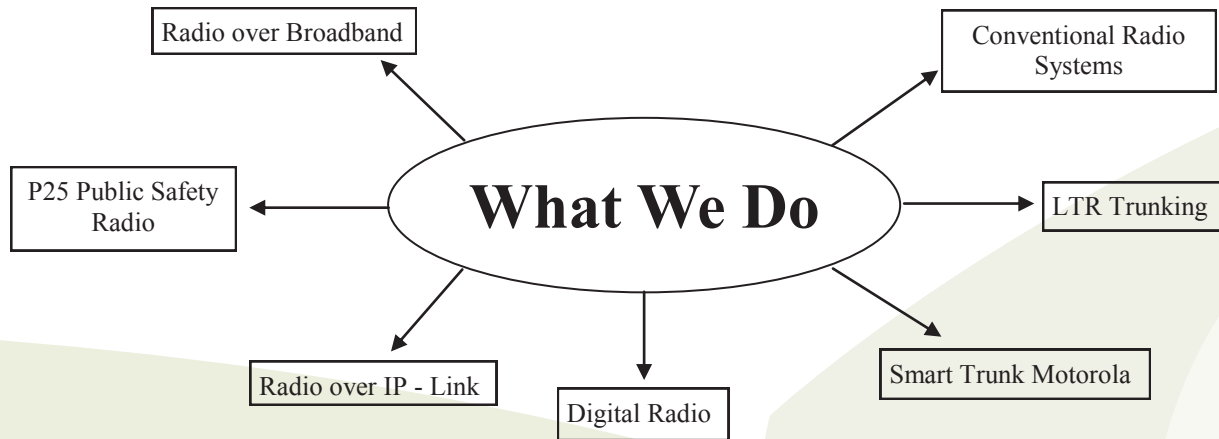
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The Future Is Here

Digital Radio

Digital Radio is an integral part in the innovation of two-way radio going forward. Analog Radio has reached its peak already and is in decline as far as innovation and invention. Digital Radio offers many benefits unheard of in Analog radio, of those are: background noise reduction, enhanced voice communication over a longer distance because of error-correction, and above all else, lower licensing and equipment cost.

Radio over IP

Radio over IP is also an important part of the future as it is more reliable and practical than the reliance on hardware that is used today. ROIP uses the existing infrastructure of IP networks that are employed in the work place. The system is easy to install and upgrade/update and can communicate with virtually any type of system including other radios and even computers. The best benefit is the cost saving aspect by removing wireless links and leased lines, the system can pay for itself.