

## NRIN Network Subcommittee on Network Management

1:45 PM to 3:30 PM CST, January 27, 2012

**Attendees:** Kate Speck, PPC; Mark Higgins, CSI; Gary , NPPD; Matt Schnell, NPPD; Chris Hen?, OCIO; Jim Sheets, OCIO; Jeff Cadwallader, OCIO; Jayne Scofield, OCIO; Henry Vargas, CSI, Matt Jones, CSI; Mark Conrey, Tri-County Region, Kyle Kramer, DC 911; Tim Hofbauer, Platte Co. EMA; Sue Krogman, NEMA, Dave Webb, NPPD; Pete Peterson, Andra Backer, PPC.

NCOR voted to establish a subcommittee to manage and monitor the technical aspects of the NRIN project. The purpose of this committee is to address the technical nature of the system build out. Members of the committee will include the OCIO, NPPD, NEMA, NCOR and CSI. Following a discussion on dispatch, ring locations and the identification of end points, the committee identified a number of workable strategies to move forward. The following is a list of proposed activities that will be addressed by the committee:

- Decision regarding standards at the local level will need to be in place
- Standards for authorized access for plug ins to the network and technical specifics
- Management of the local sites
  - Regional governance groups
  - Minimum security standards
- Firewall position and security standards must be set by the regions
- Authorizations from regions and from any other agency to connect to use the network
- Overall network management
  - Is a new or current vendor needed?
  - Ensure network consistency
- Circuit/Virtual Circuit creation and switch management
  - Management means setting up and creating circuits as needed
  - Manage switches for upgrade and functionality and facilitation of regional network concerns
- Network management costs
  - Licensing costs
  - Management of software piece
    - Microwave
    - Data
- Regions will create their own security measures/have MOUs with security agreements
- Develop a contact list and provide training to the region
- Assist in changing out the ports
- Tower work will be paid for by the regions
- Regional responsibilities
  - Provide training
  - Maintenance of the towers
  - Environmental alarms
- Contract/Vendor responsibilities
  - Training on radios
- Clarify language regarding maintenance
  - Identify specific areas as defined in the original contract relevant to maintenance
- Clarify previous regional interlocal agreement (Sue will contact Pete to get this to me)
- OCIO, CSI and NCOR need to develop testing criteria and consult with state purchasing

- Address issues of latency related to hops, routers and sharing of the network
- Develop standardized criteria to define monitoring
  - Environmental
  - Hours of operation
  - Potential of a separate contract