OMS and AMR MultiSpeak Interface at San Bernard Electric Coop

Presented by: Doug Lambert
About SBEC

- About 23,000 Meters
- Cover Portions of 7 Counties
- Average growth of 900-1200 meters annually.
- www.sbec.org
Software We Use

- Milsoft’s DisSpatch OMS and Porche IVR
- NISC’s ESRI Mapping System
- Milsoft’s WindMil EA
- IDA’s AVL (Truck Tracking) System
- NISC’s CAPS XL Plus II CIS (IVUE in 2007)
- Survalent’s SCADA system
- Turtles (TS1) and Cannon AMR
Before the Interface:

- Separate systems
- Yukon Commander AMR
  - Limited to one meter at a time
  - Retyping of numbers
  - Slower
  - Limited analysis
SBEC Operations Control Center
Too Many Computers and Applications
Setup Interface OMS

Outage Preferences

<table>
<thead>
<tr>
<th>Interface Name</th>
<th>Company</th>
<th>Company ID</th>
<th>URL</th>
<th>User ID</th>
<th>Password</th>
<th>MultiSpeak Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD-OA</td>
<td>Cannon</td>
<td>Cannon</td>
<td><a href="http://192.168.1.73:8080/soap/OD_C">http://192.168.1.73:8080/soap/OD_C</a></td>
<td>milsoft</td>
<td>milsoft</td>
<td>OD</td>
</tr>
</tbody>
</table>

Add/Edit Interface

- Company: Cannon
- Interface Name: OD-OA (Outage Detection · Outage Analysis)
- Company ID: Cannon
- URL: http://192.168.1.73:8080/soap/OD_OASoap
- User ID: milsoft
- Password: milsoft
- XML Name Space: http://www.multispeak.org/Version_3.0

Test Connection: The connection was successfully established.

Supported web service methods:
- pingURL
- getMethods
- initiateOutageDetectionEventRequest
Cannon used VPN to SBEC
Advantages

- No extra clicking of the mouse
- Results on one screen
- Faster outage predictions
- Improved customer service
- Costs savings
  - Fewer wasted trips
  - Trip fees to customer
  - No Additional Software Charges
Example of Use

- Customer with multiple meters and with same name
  - Verify the correct location out of power
  - Avoid delay in restoration
  - Avoid sending crews to wrong locations

- Instead of callbacks
  - Current SBEC policy
  - 2 am wake-up calls
Total Cost Savings Estimate

- Trip Fees Collected: $3,600.00
- Eliminated Wasted Trips: $65,100.00
- Office Clerical time: $6,083.00
- Field Crew Time Savings: $36,750.00
- Total: $111,533.00
- Improved Customer Service: Priceless
On the Horizon

- SCADA/OMS integrated using MultiSpeak
  - Testing now
  - Adding functionality between applications
  - Data reports to OMS
    - Status
    - Analog
  - Automatic reporting of Breaker Lockouts not modeled yet.
Future

- History of Blink counts (OMS)
- Color by… graphically (OMS)
  - Blink counts
  - Signal strength
  - Voltage limits
- Pass info to EA
  - load studies
  - Contingency
- Ping from Trucks with Mobile Data
- Automatic control of Capacitor banks to minimize losses with SCADA/Load Control
- CIS/OMS MultiSpeak Integration