

Fleetmapping & Codeplug Development

Past Experience:

State of Maryland

- Managed the Fleetmap (FM) Planning and Codeplug (CP) Development for the State of Maryland's First Responder Inter-operable Radio System Team (FiRST) System.
- Fleetmap designed to support 10,000 public safety users across the state connected through 280 RF sites
- Developed fleetmap to support new and legacy agency systems for smooth cut-over of operations
- Achieved spectrum efficiency through network bandwidth management by channel partitioning of the talkgroup resources
- Developed and implemented training for key personnel on LMR Subscriber Operation and system features

ExxonMobile

- Trusted consultant and developer for multiple EXOM sites
- **Baytown:** Smartnet to P25 migration, 6 Master CPs, 45 Subordinate CPs
- **Beaumont:** Translate Baytown FM to Beaumont FM, build 3 Master CPs
- **Billings:** Consult on FM development, Build 3 Master CPs
- **Corpus Christi:** Develop site FM, Build 3 Master CPs, 2 Subordinate CPs

PSEG

- Developed 20 Master CPs and 30 Subordinate CPs at PSEG Long Island, & 5 Master CPs at PSEG New Jersey
- Provided oversight to PSEG staff on FM development at both sites
- Configured customer Radio Management server and client access devices
- Implemented Radio Management deployment for PSEG NJ radios in the field
- Provided PSEG NJ with continuous FM and CP development oversight for a period of 18 months

Columbia County, Florida

- Provided consultative direction to Columbia County fleetmap committee for FM development
- Built 10 Master CPS for 5 agencies
- Built 40 Subordinate CPS for 3 agencies
- Built Console CP for 911 center

Fleetmapping is a public safety wireless communication technical term which involves creating a quantity of communication paths, referred to as 'talkgroups' that First Responder groups decide are needed to support current and future Conventional, P25, trunked radio and dispatch console operational user policies.

Why should public safety organizations care?

The current generation of trunked mobile and portable radios today are manufactured with a multitude of features and technical capabilities. First responders and other mission critical users need a solid education as to the pros and cons of deploying these features.

COMMDEX CODEPLUG DEVELOPMENT

Codeplugs are the radio programming profiles that determines how a radio will operate, which channels and talkgroups it will communicate on, and which features it will support. Commdex has a comprehensive codeplug development process that begins with guiding the customer in the creation of codeplug templates driven by the developed Fleetmap. Commdex then uses these templates to build the codeplugs, managing thousands of fields of data, to produce files ready to be programmed into radios. Commdex follows a quality audit process, including the creation and design of Data Verification Tools and unique case by case Radio Channel Review Software programs, to ensure codeplugs are without error, and can manage codeplug testing in the field, to ensure radio programming can take place without fault.

**THERE IS NO
'ONE SIZE FITS ALL'
APPROACH.**

