

NETWORK NEWS

NEWSLETTER

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The PSEC System Fleetmap

One of the major hurdles the PSEC Team is conquering is the development of the system fleet map. The term fleet map can have different meanings, so we will attempt to explain what the term means as it relates to the PSEC system.

One definition is that a fleet map is a process a network administrator uses to define agencies within the radio system and a pool of resources to which each agency is assigned. Each agency is created through the creation of an identifier, one or more administrators and the pool of resources.

A second definition is that a fleet map is a series of documents that define the configuration of the radio system and its associated fleet. The documents are the result of a process that establishes the rules, parameters and features that will be available to the users of the trunked radio system. This process accounts for the needs of the end users.

The development of the fleet map for the PSEC radio system falls under the second definition. The PSEC team has been working with the current radio system customers to define their needs. Once the needs of the users has been defined, then system talk-groups will be created and conventional resources allocated. Part of this process is assigning the features of the subscriber units to the buttons on the units to best meet the needs of the customer.

The ultimate goal of the fleet map team is to make the end user's experience with the subscriber units, the best it can be. The technology of the radio is very complex. However, our team, which consists of technical and end users, is working diligently to ease the complexity into a user-friendly radio environment.

It is the hope of the PSEC team, that as the subscriber units are deployed, the planning that has gone into the development of the fleet map will truly provide you, the end user, with the best possible communication tool.

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PROJECT STATUS

WHERE ARE WE AND WHERE ARE WE GOING?

The project team is making considerable progress. Radio sites and Master sites are being energized. By April of 2011 thirty-five of sixty-eight sites were energized making the new radios functional and available for testing. By June of 2011 the microwave link between Alessandro and Blythe will be operational.

Five Sheriff vehicles and two Fire vehicles have Motorola APX mobile radios installed. This installation has allowed the team to validate the installation and develop guidelines in preparation for installing over 3,000 mobile radios. The full scale vehicle installation is scheduled to begin at the end of 2011.

We currently have construction on 32 new sites complete and 11 new sites in progress. Of the existing sites, construction/upgrades are complete on 11 and 6 are in progress.

Installation of the 4.9 data system is complete at the Fire and Sheriff stations. Fixed network equipment (FNE) has been installed at 53 sites. In some instances, equipment can be installed at a site prior to construction being completely signed off. For instance, if the site is only waiting for power to be connected, the equipment can be installed.

The PSEC project team current objectives are to complete the acquisition of the final two sites, work with the commercial power providers to energize the sites; complete the site implementation; perform acceptance testing; and deploy the system to public safety first responders.

SYSTEM OUTAGES

The PSEC Team worked four outages in February, each of them had a successful outcome. The team consisted of Sheriff's Deputies, Dispatchers, RCIT Radio Technicians and PSEC Radio Engineers. The team spent many hours in preparation for each of the outages. Communication with the stations and staff affected was continuous to ensure the users were as prepared as possible in order to minimize the effect on the users.

IMPLEMENTATION PLANNING HOW DO WE GET THERE?

Although the implementation of the PSEC System is several months away, it is never too early to start planning. Like the team did during the detail design phase, we are documenting every aspect of system implementation. The documentation includes identifying the major and minor tasks that must be completed and developing a responsibility matrix for those tasks.

The PSEC Communication System is made up of several sub-systems. The voice system, the data system and the dispatch centers, just to name a few. Although the communication system will be implemented at the same time, we are looking at each sub-system as its own implementation. We are also looking at how the implementation of one of the sub-systems affects and interacts with the other sub-systems.

One of the key components will be communication. As the team works through the implementation planning, it will be necessary to communicate with each other, but even more importantly, to communicate with our end users. A detailed communication plan will be developed that will provide all involved parties with the information necessary to facilitate consistent and continuous communication.

We are also working to identify how groups within other departments and agencies may be needed for assistance. By planning the implementation in this manner, we can concentrate on the smallest of details for each sub-system and provide the smoothest possible implementation for our end users.

SCHEDULE OF CLASSES

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| Radio Interoperability and Mobile Data Computer | August 31, 2011 |
| Radio Interoperability and Mobile Data Computer | November 30, 011 |
| Radio Interoperability and Mobile Data Computer | February 1, 2012 |
| Radio Interoperability and Mobile Data Computer | April 4, 2012 |
| Radio Interoperability and Mobile Data Computer | June 6, 2012 |

For more information about these courses and other training opportunities, please contact:

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