



MCM
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ERIE COUNTY NEXT GENERATION PUBLIC SAFETY RADIO SYSTEM

TRANSITION OF USERS (EMS & FIRE) – CUTOVER
DATES & TIMES

F.C.C LICENSING

- **FCC Licensing (Completed)**
- Successful licensing of 14 frequencies pairs to be distributed across 22 sites.
 - Twelve (12) paired frequencies for the trunked portion of the system. (The twelve paired frequencies operating in a Phase II configuration effectively provides twenty (24) talk paths)
 - Two (2) analog simplex frequencies for dispatch / paging operations.
- Additional paired and simplex frequencies have been secured to conduct on-scene operations.
 - Note: There is no plan to monitor these channels at the 911 dispatch center.

SUBSCRIBER EQUIPMENT INSTALLATION

- Subscriber Equipment – Control Stations & Mobile Radios
- Phase I & II (100% Completed)
 - Installation of control stations and mobile radios has been completed.
 - **Unless specifically requested by user agency for installation post cutover**

SUBSCRIBER EQUIPMENT PROGRAMMING

- Subscriber Equipment – Control Stations & Mobile Radios
 - Mobilcom has coordinating with user agencies to program the control stations & mobile radios with the new P25 Templates (Completed).
 - Talk Groups, Identifiers, Aliases

SUBSCRIBER EQUIPMENT

PORTABLE RADIOS

- Subscriber Equipment – Portable Radios
 - E.F. Johnson completed the programming of the new Model VP6000 portable radios with the new P25 Templates for Law Enforcement.
 - The portable radios have been issued to the respective Law Enforcement Agencies.
 - The portable radios require an 8-12 hour charge. Please ensure all portable radios have been fully charged prior to cutover.
 - Quick reference (pocket) cards will be issued to every agency.

SUBSCRIBER EQUIPMENT

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 - Quick reference (pocket) cards will be issued to every agency.

SUBSCRIBER EQUIPMENT PAGERS

- Subscriber Equipment – Pagers
 - All pagers have been programmed with both analog dispatch “paging” frequencies (County Fire & Millcreek Fire) including local, zone and county disaster tones.
 - The pagers have been issued to the respective EMS / Fire Departments.
 - New batteries have been provided for every pager.

TRAIN-THE-TRAINER TRAINING

- **Train-the-Trainer: (Completed)**
- Train-the Trainer Sessions were conducted over a three (3) day period beginning on August 20 – 22, 2019, held at the Department of Public Safety.
- Three sessions, per day was offered:
 - First Session: 10:00 AM – 12:00 PM
 - Second Session: 2:00 PM – 4:00 PM
 - Third Session: 6:00 PM – 8:00 PM
- Every agency was to send a member of their command staff as well as the training officer for continuing education purposes.

END-USER TRAINING

- **End-User Training: (Completed)**
- Regional Training Sessions were conducted over a five (5) day period beginning on September 9 – 13, 2019, held at various locations throughout Erie County.
- Four sessions, per day (one day, per zone) was offered.
 - Zone 1: City of Erie
 - Zone 2: Millcreek Township
 - Zone 3: East County
 - Zone 4: South County
 - Zone 5: West County
- All public safety users, from every agency were to attend.

DISPATCH TRAINING

- **Zetron Dispatch Console Training: (Completed)**
- Dispatch Console Training Sessions were conducted over a five (5) day period beginning on September 16 – 20, 2019, held at the Department of Public Safety, EmergencyCare and Millcreek Police Department for telecommunications staff.
 - Dates, times and locations were coordinated with the respective dispatch centers.
- Dispatch Console Training Sessions provided instruction on the following topics:
 - Operation of Zetron P25 Dispatch Console System
 - Five (5) Zone Configuration, Talk Groups, etc.
 - Operational Procedures
 - Law Enforcement, EMS & Fire Radio Procedure Manuals

FIELD COVERAGE TESTING

- Erie County, in conjunction with EF Johnson and our public safety community conducted extensive field testing to ensure coverage requirements have been met.
 - Per our specifications, a minimum of 2,000 points of interest to include outdoor and indoor coverage testing was conducted.
 - Over 2400 points of interest was tested by our first responders during the week of August 12-16. Thank you for your assistance in conducting the field coverage testing.
 - EF Johnson Engineers, in conjunction with MCM Consulting Engineers and our Radio Division conducted validation coverage testing the week of August 19-23, 2019.
 - EF Johnson Engineers, in conjunction with MCM Consulting Engineers and our Radio Division conducted “drive coverage testing” the week of September 9-13, 2019.

FIELD COVERAGE TESTING

- EF Johnson will utilize the results of the field coverage testing conducted by the user agencies and the county dispatch center to determine if indoor and outdoor coverage requirements have been met.
 - If there were unsuccessful tests, EF Johnson will continue to make the adjustments or changes to ensure coverage requirements have been met.
- EF Johnson is still processing this information. However, preliminary coverage testing results for the entire county exceeds 98% (portable coverage).
 - Once completed, the information will be shared with public safety officials.
- Post Cutover: EF Johnson, in conjunction with Erie County will continue to conduct in-building and outdoor coverage testing. If determined, with your first-hand experience there are areas of concern, remediation efforts will be ongoing through final acceptance.

ACCEPTANCE TESTING

- Three (3) Phases of Acceptance Testing:
 - Site acceptance testing (**Completed**)
 - To confirm each site is performing to specifications
 - System acceptance testing (**Completed**)
 - To confirm system across ALL sites is performing to specifications
 - Final acceptance testing
 - To confirm system requirements meet or exceed required specifications
 - Anticipated in the Spring or early Summer of 2020 with full foliage
 - To be conducted post-cutover, prior to sign off signifying project completion

CUTOVER PLAN

- **Cutover Plan**
- The cutover plan will allow users to smoothly transition to the new system without major disruptions. The plan will be divided into three phases:
 - Phase I - Pre-Cutover Preparation. Consists of careful planning that results in a comprehensive cutover plan with a timeline of events leading up to and following the transition to the new P25 system.
 - Phase II - Cutover Execution. The goal is to execute Phase I planning activities while maintaining current system operations. Site testing will occur with participation amongst public safety users to test the functionality of the full system.
 - Phase III - Post-Cutover. This final phase is focused on removing obsolete components that are no longer needed for new systems operations (i.e., legacy RF infrastructure, consoles, etc.).

CUTOVER PLAN

- Erie County is pleased to announce the following cutover or “go live” plan to transition all public safety agencies over to the Next Generation Public Safety Radio System.

CUTOVER PLAN

- **Law Enforcement: (Completed)**
- **Cutover will occur across the five (5) zones:**
 - Zone 1: City of Erie Police Department
 - As of Tuesday, September 24th (07:00 Hrs.)
 - Zone 2: Millcreek Township Police Department
 - As of Wednesday, September 25th (07:00 Hrs.)

CUTOVER PLAN

- **Law Enforcement: (Completed)**
- **Cutover will occur across the five (5) zones:**
 - Zone 3: East County
 - Zone 4: South County
 - Zone 5: West County
 - As of Thursday, September 26th (08:00 Hrs.)

Note: County law enforcement (Erie County Sheriff, County Detectives, Adult / Juvenile Probation) will transition on Thursday, September 26th (08:00 Hrs.)

CUTOVER PLAN

- **EMS & Fire:**
- **Cutover will occur across the five (5) zones:**
 - **Zone 1:** City of Erie Fire Department & EmergencyCare
 - As of Tuesday, October 8th (08:00 Hrs.)
 - **Zone 2:** Millcreek Township Fire & Millcreek Paramedics
 - As of Wednesday, October 9th (08:00 Hrs.)

CUTOVER PLAN

- **EMS & Fire:**
- **Cutover will occur across the five (5) zones:**
 - Zone 3: East County
 - Zone 4: South County
 - Zone 5: West County
 - As of Thursday, October 10th (08:00 Hrs.)

POST CUTOVER

- During the transition, in the event there are any questions or concerns with the operation and/or functionality of the radio system including subscriber equipment, we will have support staff available on a 24/7 basis.
- Please contact us at the following number: 814-451-7100.

POST CUTOVER

- **Portable Radios: (Emergency Button – Lapel Mic)**
- It has been requested by user agencies, due to the number of accidental activations by the emergency button located on the lapel mic, this feature be disabled.
 - Erie County is in the process of disabling this feature by reprogramming the portable radios over-the-air (OTAP).
 - The emergency button on top of the portable radio will remain enabled; only the lapel mic emergency button will be disabled.

POST CUTOVER

- **Train-the-Trainer: (Refresher)**
- Train-the Trainer “Refresher” Sessions will be conducted over a two (2) day period beginning on October 29 – 30, 2019, to be held at the Department of Public Safety.
- In an effort to ensure your availability, three sessions, per day will be offered:
 - First Session: 10:00 AM – 12:00 PM
 - Second Session: 2:00 PM – 4:00 PM
 - Third Session: 6:00 PM – 8:00 PM
- Every user agency should send a member of your command staff as well as your training officer, as deemed necessary for continuing education purposes.

POST CUTOVER

- **Train-the-Trainer: (Refresher – Cont'd)**
- Train-the Trainer Sessions will provide instruction on the following topics:
 - Operation of P25 Radio System
 - Five (5) Zone Configuration
 - Talk Groups
 - Subscriber Equipment (control stations, mobiles, portables radios)
 - Operational Procedures
 - Law Enforcement Radio Procedures Manual
 - EMS / Fire Radio Procedures Manual

POST CUTOVER

- **Subscriber Equipment: (Early Deployment)**
- Every agency that was issued a Model VP600 Portable Radio including accessories (charger, lapel mic, etc.) by Erie County should return this equipment to the Department of Public Safety after cutover to the new radio system.
- In addition, if your agency had purchased additional portable radios (Model VP600) from Mobilcom, please return this equipment to the Department of Public Safety.
 - Mobilcom will be replacing your agency-purchased portable radios with the new Model VP6000 including accessories on a one-to-one basis.

Questions?



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CONTACT INFORMATION