



# Work Group Update

Encryption Work Group





# Role of the Work Group

- *Provide support and assistance to member agencies in implementing encrypted communications best practices.*
- *Explore new technologies and review emerging national standards*
- *Review encryption requests and assist members in migrating to secure communications.*
- **Maintain Interoperability!**



# Members



- Tim Jones, Genesee Co 911 Executive Director-Chair.
- Currently the encryption work group has sixty-two (62) members that regularly attend.
- Any MPSCS member agency representative(s) are welcome to participate.





# Tasks, Activities & Deliverables

- *OTAR deployments continue to grow-*
  - *4000 radios and 10 different agencies currently utilizing OTAR*
- *Redundant OTAR KMF server environment implemented*
- *149 CKR's are recorded in the MPSCS database (not all are in use)*
- *Statewide shared MPSCS AES CKR's established and are in use-*
  - *1667 Law*
  - *1668 Fire & EMS*
  - *1669 COM*



# MPSCS Statewide CKR's Explained



- *MPSCS ADP (CKR 169) = used on numerous talkgroups throughout MPSCS*
- *MPSCS DES (CKR 152) = used on statewide I-Event & J-Event talkgroups*
- *MPSCS SYSWIDE (CKR 796) = future AES256 systemwide Patch/Failsoft/Private Call*
- *MPSCS LAW AES (CKR 1667) = AES256 Statewide Law Enforcement Common-Law Radios Only*
- *MPSCS FE AES (CKR 1668) = AES256 Statewide Fire and EMS Common-Fire, EMS and Law radios only*
- *MPSCS COM AES (CKR 1669) = AES256 Statewide All Agency Common- Any Radio*

*MPSCS encourages agencies to ask-*

- *Do you intend any other discipline (i.e. Fire, EMS, or public works) to also have your dispatch talkgroup in their radios? If yes, we recommend using CKR 1669*
- *If the talkgroup IS NOT shared outside of Law Enforcement agencies, then CKR 1667 is appropriate i.e. SWAT, LEIN, Operational Tac channels.*





# Deliverables Continued

- *70 AES256 Keys*
  - *13 Federal Shared AES Keys*
- *52 DES-OFB Keys*
  - *8 Federal shared DES-OFB keys*
- *14 ARC4(ADP) Keys recorded in MPSCS database*
- *All CKR requests are coordinated with NLECC which included deconfliction-*
  - *8 DES-OFB keys have been migrated and deconflicted*
  - *All 4 of the ARC4(ADP) key conflicts have been migrated and resolved*





# 2025 Major Accomplishments

- *L Event (always secure AES256) zone was open for testing all summer and is now available for use for those with AES algorithms.*
- *MPSCS has assisted approximately thirty two (32) agencies in some form of encryption planning or migration.*
- *LEIN/CJIS guidance and education-*
  - *Work group members helped member agencies understand the standard, goal implementation and preventing unauthorized access to protected Criminal Justice Information (CJI) over radio systems.*





# 2026 Meeting/Schedule

- Tuesday February 10<sup>th</sup> @ 10am via TEAMS
- Tuesday April 7<sup>th</sup> @ 10am via TEAMS
- Tuesday June 9<sup>th</sup> @ 10am via TEAMS
- Tuesday August 11<sup>th</sup> @ 10am via TEAMS
- Tuesday October 20<sup>th</sup> @ 10am via TEAMS
- Tuesday December 15<sup>th</sup> @ 10am via TEAMS 2026 wrap up meeting



# 2026 Strategic Efforts



- *Develop an encryption map similar to the agencies and Fire Paging maps from a county level.*
- *Continue to visit agencies, provide updates, migration assistance and review secure communication plans for interoperability.*
- *Aid all MPSCS members when upgrading or purchasing new equipment to ensure all necessary functionality exists.*
- *Dialogue and maintain working relationships with border states to ensure cross border secure interoperability.*





# Contact Information

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