



## Emergency Telephone System Board Of DuPage County

### **DuPage Emergency Dispatch Interoperable Radio System (DEDIR System)**

#### **APXNext Firmware Updates – Multi- Chargers**

Now that the multi-chargers have been updated, ETSB will be seeking performance feedback.

#### **APXNext Firmware Updates: Police Only**

Firmware Update APXNext/Police: Of the 274 there are 4 police radios that have not completed the firmware updates. A list will be provided at the end of this update. The radios have been divided into two types:

**A. RADIO STATUS:** Running: Package Downloaded have downloaded the firmware to the radio, but it has not been applied by the user. These radios are the ones that seem to be susceptible to the radio restart error that is happening. If they seem to hang up and cycle, the fix for this restart issue is a factory reset, reprogram, and key loading of the radio at the ETSB office

**B. RADIO STATUS:** Running: Waiting For Device has not been powered on to accept the download.

#### **Agency Owned/Legacy Radios in the System For Encryption**

In order for the encryption plan to work, all radios on the system need to be accounted for. This includes any agency purchased radios. ETSB pays for airtime for radios that are allowable under surcharge. However, if an agency is paying for radios that are active in the DEDIR System that the agency plans to keep on the DEDIR System, please submit the radio type and serial number to ETSB via Zendesk ticket by **April 30**. We want to ensure that we don't leave any radios behind. Examples: EOC radios, Command Bus Vehicles, MERIT Vehicles.

#### **POLICE AGENCIES REQUIRING FIRMWARE UPDATES – as of May 1, 2025**

**RADIO STATUS:** Running: Package Downloaded have downloaded the firmware to the radio but it has not been applied by the user.

These radios are the ones that seem to be susceptible to the radio restart error that is happening. Any radio that gets stuck in a constant restart cycle will need a factory reset, reprogram, and key loading of the radio at the ETSB office. Submit a Zendesk ticket for that radio and schedule a time to bring it in, please.

<b>LOMBARD PD</b>			
LOP OLIVER			
<b>RADIO STATUS:</b> Running: Waiting For Device has not been powered on to accept the download.			
<b>BARTLETT PD</b>	<b>BENSENVILLE PD</b>	<b>FOREST PRESERVE</b>	
BAP JENKINS	BEP CARRERA	FPP Clausen	



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### **PAC DEDIR System Monthly Summary**

**Motorola Wednesday Morning Status Call April 2, 2025** – in person report to ETS Board.

**Motorola Wednesday Morning Status Call April 9, 2025** - no call ETSB Board meeting.

### **Motorola Wednesday Morning Status Call April 16, 2025**

#### **Encryption:**

At this time Motorola believes that it has all of the information it needs in order to finish the Implementation Plan. Motorola has an internal meeting scheduled for early next week where we will be looking to finalize our information in order to create the plan. Once that plan is complete we can present it to DuPage County.

#### **AXS Consoles:**

All AXS Dispatch Consoles were installed and tested at ACDC. The installation is now complete for that site. Installation for Du-Comm is scheduled to begin on 4/21 and will take several weeks to complete as ChiComm will be able to install 2-3 consoles per day depending on position availability and schedule. We are also working with ACDC and Du-Comm to remove the legacy NICE Logging equipment per request.

#### **DFSI:**

Motorola is configuring and testing DFSI equipment at the lab beginning on 4/21. This is expected to take 2-3 days. Once testing is complete we anticipate having a better understanding of how the DFSI will work with the base stations and can work towards implementing the solution at the sites.

### **Motorola Wednesday Morning Status Call – April 23, 2025**

#### **AXS consoles at DU-COMM:**

ChiComm started installation this week of the new AXS consoles. We are working closely with Erik Maplethorpe to ensure position installation and turn up are meeting his needs. We will progress at the rate that Du-Comm allows, planning for 2-3 positions per day.

#### **DFSI:**

We were in the lab at Motorola testing facilities this week and below is a summary of our results.

*DFSI testing took place between Motorola and Tait 4/21 & 4/22 in the Motorola testing lab.*

*Equipment included:*

- *Tait*
  - *TM9400 Base Station*
  - *TB9100 CGW*
- *Motorola*
  - *DCG 9000*
  - *MCC7500E Dispatch Consoles.*

*Testing was successful for analog and digital configuration for a single Tait base station configuration.*

*Testing was successful for analog only for a simulcast Tait configuration and a CCGW*



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*Testing was not successful for digital configuration for a simulcast Tait configuration and a CCGW.*

### **Next Steps:**

- *Dave Gossage is working with Tait regarding next steps to troubleshoot the simulcast*
- *digital configuration*
- *Future testing will be scheduled for digital simulcast configuration.*

### **Encryption:**

Motorola met in person on 4/22 to work through the specifics of the information gathered and started to compile the encryption plan. At this time we hope to have the plan complete in the next few weeks and will need to schedule additional meetings with DuPage ETSB and partners to address several items that require both parties to collaborate. Motorola will be meeting internally over the next few weeks to finalize this plan and will schedule as soon as prepared.

### **Motorola Wednesday Morning Status Call – April 30, 2025**

#### **AXS Console Project**

Installation continues at Du-Comm. As of last night (4/29) there were 12 AXS consoles that have been installed. Installation is continuing to the pace of 2-3 positions per day as work allows. I am also ordering several new AXS speakers to replace those that were malfunctioning from the ACDC install as well as being available for any future issues or replacements as needed.

#### **DFSI**

Testing took place last week (4/21-4/23) at the Motorola lab with the Tait base stations. Motorola lab was able to get the DFSI to work properly with the Motorola base stations, but ran into issues when working with Tait equipment. There was some progress made, but we were unable to successfully get the connection to work. Motorola is continuing to work with Dave Gossage from ABeep to troubleshoot the equipment as we believe that there may be a licensing issue causing the problem. We are working on this solution currently and are working to schedule another testing session at the lab. Date to come.

#### **Encryption**

Internally discussion and documentation has been taking place and Motorola is in the process of writing up the proposed solution. This is anticipated to take a few more weeks for conclusion and at that time Motorola will look to schedule an in person meeting with ETSB to review documentation. Date to come.

#### **Miscellaneous**

Motorola is working with Du-Comm to have the NICE Equipment removed at a time when schedule allows. Motorola is also working with ETSB, ACDC and Du-Comm to move two consolettes from ACDC to Du-Comm and install two consolettes in their place at ACDC. Current scheduled date is to be determined, but will most likely be late in the week of May 5th.

### **Fire Focus Report: Friday, April 24, 0900 to 12:30**

1. Status of obtaining encryption keys. Who is responsible and is help needed?



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- a. Andres will reference to the contact information from each of the MOU's (about 15) and provide a spreadsheet that Andy can reference to make contact and get the keys. If Andy needs assistance, he will reach out to the Focus Group.
  - b. Prior to programming radios, the CKR's must be established and entered into the radio. The key may be able to be loaded over the air but not the CKR. Therefore getting the CKR's is on the critical path.
2. IGA status.
  - a. MOU's will need to be updated listing the CKR's. ETSB has created an updated form similar to the Grundy County Form.
  - b. Five agencies/PSAPs left to collect
3. Requests for all hazard zone mode for fire ground channels/talkgroups.
  - a. Oak Brook and Clarendon Hills have requested that their radios be set up so fireground tactical channels are only available in Hazard Zone mode.
    - i. Agency selectable zones can be set up with all tactical channels using Hazard Zone operation only.
    - ii. The same channels and talkgroups exist in several other Zones in the radio and are available in non-Hazard Zone mode. This is part of the standardized radio template.
    - iii. It is not possible to prevent a user from selecting the non-Hazard Zone version of the channel from another Zone.
4. Radio ID/ RSI numbering- pros/cons of 10 million series vs 270000. Same or new IDs.
  - a. Discussed the benefits and detriments of using the existing 270000 radio ID series or the 10 million series.
    - i. Using the existing radio ID's (270000 series) would allow aliases on existing mobile radios to continue to work. This would also benefit non-Starcom VHF radios that are currently set up to decode aliases.
    - ii. Using the existing radio ID's (270000 series) would allow the Radio ID and the Encryption ID to be the same. The KVL only supports 6 digits.
    - iii. Using the existing radio ID's (270000 series) could complicate radio testing as effort would be needed to avoid two radios with the same ID.
  - b. Linda will inquire about using the current 270000 series radio ID's.
    - i. Need to confirm that ID's in the range not currently assigned to DuPage are available.
5. Confirm FD Template Channel naming:
  - a. Zones 1-3 Existing template with existing names
  - b. Zones 4 & 5- User Selects using new naming conventions
  - c. Zone 6 - 15 new FD OPS channels and names
  - d. Zones 8 & 9 in all radios (new zones with HZ)
  - e. User Select Zones 66 & 67 use all new names

Confirmed that Zones 1-3 will be deleted once talkgroup names are changed.
6. Fleetmap/Template Reviews:
  - a. Review Assignments/Status



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- i. Andres updated the Monday spreadsheet with separate status for Template and Fleetmap reviews.
  - b. Number of characters/spaces
    - i. Radio Alias and System Alias shall be the same
    - ii. Total characters limit is 14
    - iii. All aliases will begin with "DUxxx" including DU for DuPage and three letter agency code with no space in between.
    - iv. This leaves 9 remaining characters available.
    - v. If 8 or fewer characters are needed, a space will be added following the agency code.
  - c. Where should docs be located (fleetmap, template, signoff page)?
    - i. Monday spreadsheet updated.
- 7. Focus Group Testing of final template
  - a. Testing required
    - i. Andy will program a codeplug with the Addison FD template and push it to Focus Group members for evaluation.
    - ii. All controls, display, volume levels, etc. need to be evaluated.
    - iii. Regional mutual aid resources need to be tested.
  - b. Responsible parties
    - i. Will and Grundy Counties: John Sullivan
    - ii. North Cook and Kane County: Chris Clark
    - iii. South Cook County: Craig Jensen
    - iv. State and Tollway: Jim Connolly
- 8. Training program development and delivery methods
  - a. Who's developing materials?
    - i. In process of obtaining base materials from Motorola
  - b. How will training be delivered?
    - i. Resources (Documents, slides, videos) will be provided to agencies two weeks prior to radio delivery.
- 9. Status of Motorola updates to XN portables
  - a. No updates.
- 10. Roll Out Strategy by agency
  - a. Agency test radios, test period
    - i. Agency will receive two radios to test for one week.
    - ii. Chris Clark will determine a radio ID for use, preferably a new one.
  - b. Radio exchange
    - i. Radios will be exchanged one for one. One agency per day.
- 11. Mobile radio solution status update.
  - a. Motorola working on it. Presenting soon.
- 12. Command Central
  - a. Will Command Central Aware be made available agencies?
  - b. Need information on license fees.



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### Radio Alias List and Templates Updates March 2025

The March 2025 update outlines the progress in gathering essential documents from agencies, including Alias Lists, template selections, and sign-off memos. This overview captures the ongoing collaboration and systematic efforts to ensure all submissions align with the required standards. The following data provides a detailed breakdown of the current stages and distribution within the collection process.

Documents Submission Status	
Awaiting Template Review	6
Pending Sign Off Memo	1
Ready for configuration	15
Configuration Completed	5
Waiting on Agency Response	4
<b>Total Agencies</b>	<b>29</b>
Template Selection	
Pending Selection	1
Option 1 Current Template No HZ	1
Option 2 with HZ in Selectable Channels	6
Option 2 NO HZ in Selectable Channels	21
<b>Total</b>	<b>29</b>