



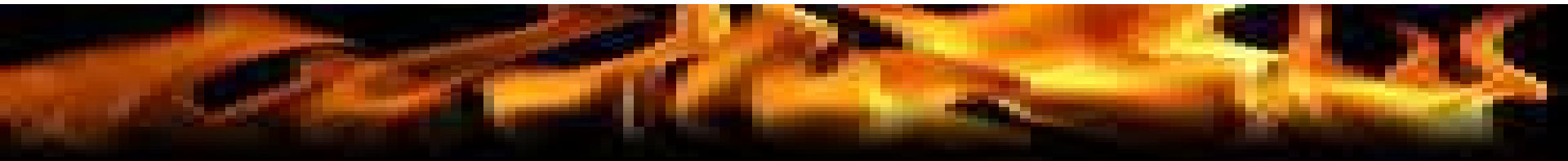
VHF Fire Paging Overview

Power Point created by John Sullivan of Addison Fire, as a result from the ETSB Fire Sub Steering Committee meetings, to discuss VHF 2 Tone Paging and Talk-Groups under the guidance of the DuPage Fire Chiefs Whitepaper.

Members Present: John Lozar, Walter Beahan, Scott Raffensparger, Chris Clark, and John Sullivan

Channel Names and Talk Group Names

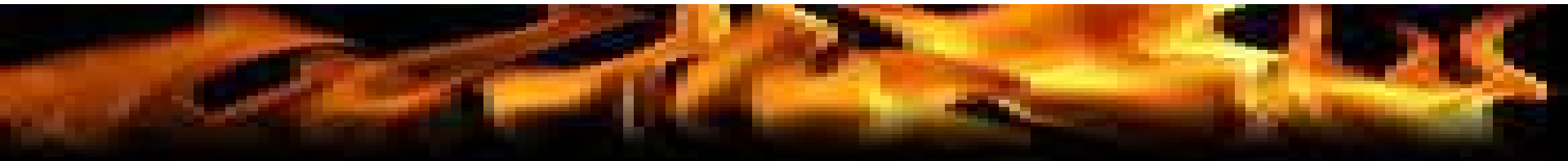
- Talk-Group Names are not by any means firm, simply used to identify location or as current common VHF name.
- It is suggested that further planning of the naming of Talk-Groups be done in the next stages.
- It has been recommended to possibly utilizing the Alpha, Bravo format opposed to directional reference.
 - This would eliminate a geographical reference and allow for a growth plan as primary dispatch talk groups could increase or decrease in the future.
 - STARCOM21 Talk-Groups will have County Wide Coverage and not be geographically limited as the VHF systems are.



VHF Paging Patch

The plan only calls for patching the 7 Primary Dispatch VHF channels currently used for tone and voice paging to an associated dispatch Talk-Group on the STARCOM21 System.

Fire North – Fire East – Fire South – Fire West –
Fire South East – Fire South Central –
Downers Grove Fire



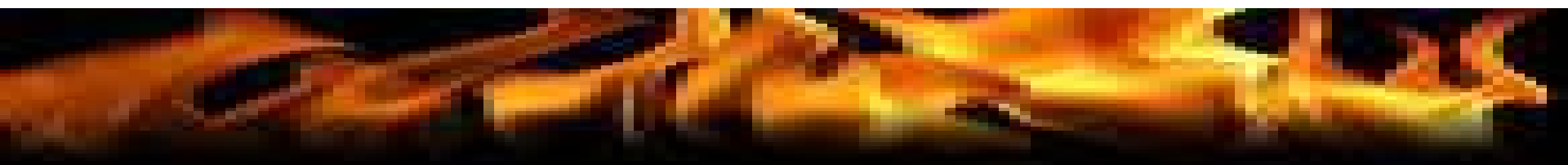
Recommended to use existing VHF frequencies and existing cohabitation of Fire Departments Dispatching

Fire North 154.175

- VHF Simulcast Narrowband
 - Bloomingdale Fire
 - Carol Stream Fire
 - Glen Ellyn Fire
 - Glenside Fire
 - West Chicago Fire
 - Wheaton Fire
 - Winfield Fire

Fire East 154.415

- VHF Simulcast Narrowband
 - Addison Fire
 - Elmhurst Fire
 - Lombard Fire
 - Oak Brook Terrace Fire
 - Villa Park Fire
 - York Center Fire



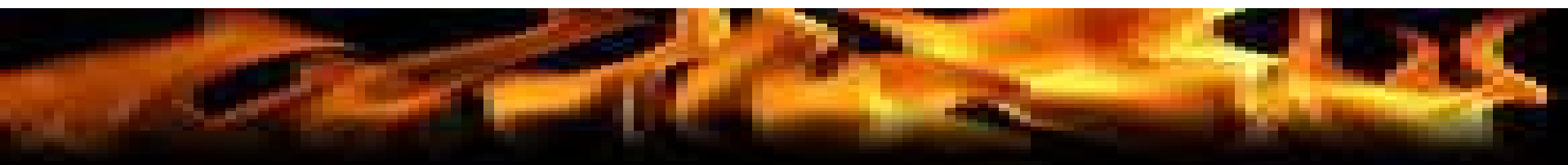
Recommended to use existing VHF frequencies and existing cohabitation of Fire Departments Dispatching

Fire South 151.385

- VHF Simulcast Narrowband
 - Lisle-Woodridge Fire
 - Warrenville Fire

Fire West 154.310

- VHF Simulcast Narrowband
 - Bartlett Fire
 - Hanover Park Fire
 - Itasca Fire
 - Roselle Fire
 - Wooddale Fire
 - Bensenville Fire
 - *(Possible 8th TalkGroup if Bensenville moves off of West)*



Recommended to use existing VHF frequencies and existing cohabitation of Fire Departments Dispatching

South East 154.250

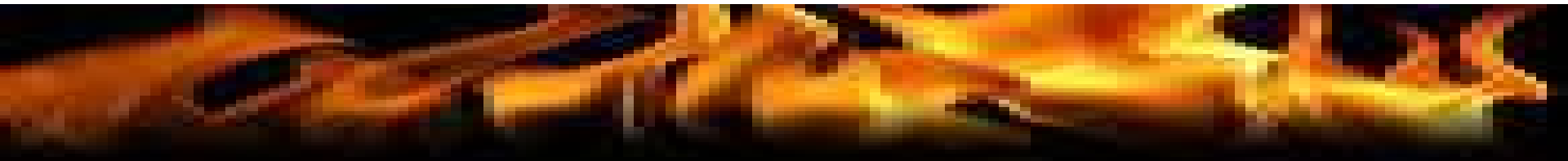
- VHF Simulcast Narrowband
 - Darien-Woodridge Fire
 - Pleasantview Fire
 - Hinsdale Fire
 - *(Hinsdale may move to South Central)*

Downers Fire 155.7075

- Use Existing VHF Narrowband Ready System
 - Downers Grove Fire

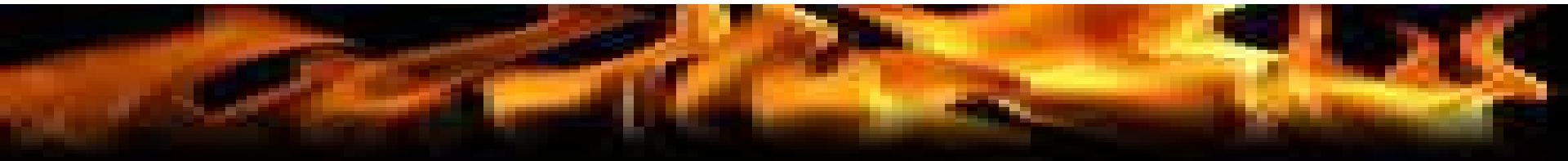
South Central 153.635

- Use Existing VHF Narrowband Ready System
 - Clarendon Hills Fire
 - Oak Brook Fire
 - Westmont Fire
 - Tri-State Fire



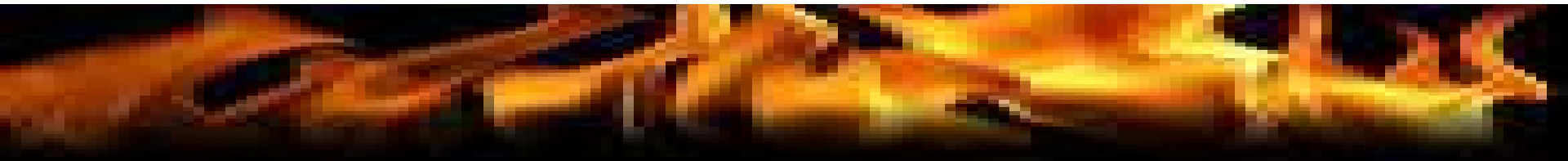
VHF Upgrades

- Upgrade existing VHF channels that are not currently narrowband to narrowband infrastructure adding Simulcast to increase coverage and meet 2013 FCC Requirements
 - This upgrade will include SIMULCASTING VHF transmitters for increased coverage and better performance than experienced on today's VHF paging network.
 - This upgrade to Narrowband WILL NOT include PAGERS. A "Motorola Minitor V" or other narrowband compatible pager will be required at the departments expense.



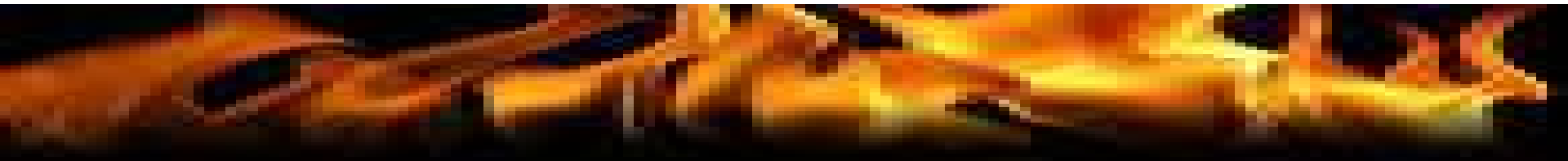
VHF Features

- VHF Narrowband Tone and Voice Pagers will have ability monitor the Dispatch STARCOM21 Talk Group
 - Complete Transmit and Receive Capability of the upgraded VHF channel will be patched to the Associated STARCOM21 Talk Group
 - Provide the ability for a STARCOM21 Radio to talk to existing legacy VHF Radios (Aiding in “out of County” Received Mutual Aid)
 - Provide a back up to STARCOM21 for each of the 7 Dispatch Channels used today
 - Available in the event there is a coverage issue on STARCOM21
 - A user on a Dual-Band APX is only one click away from operation on the VHF Channel as a back up with the same or better coverage as used today on VHF.

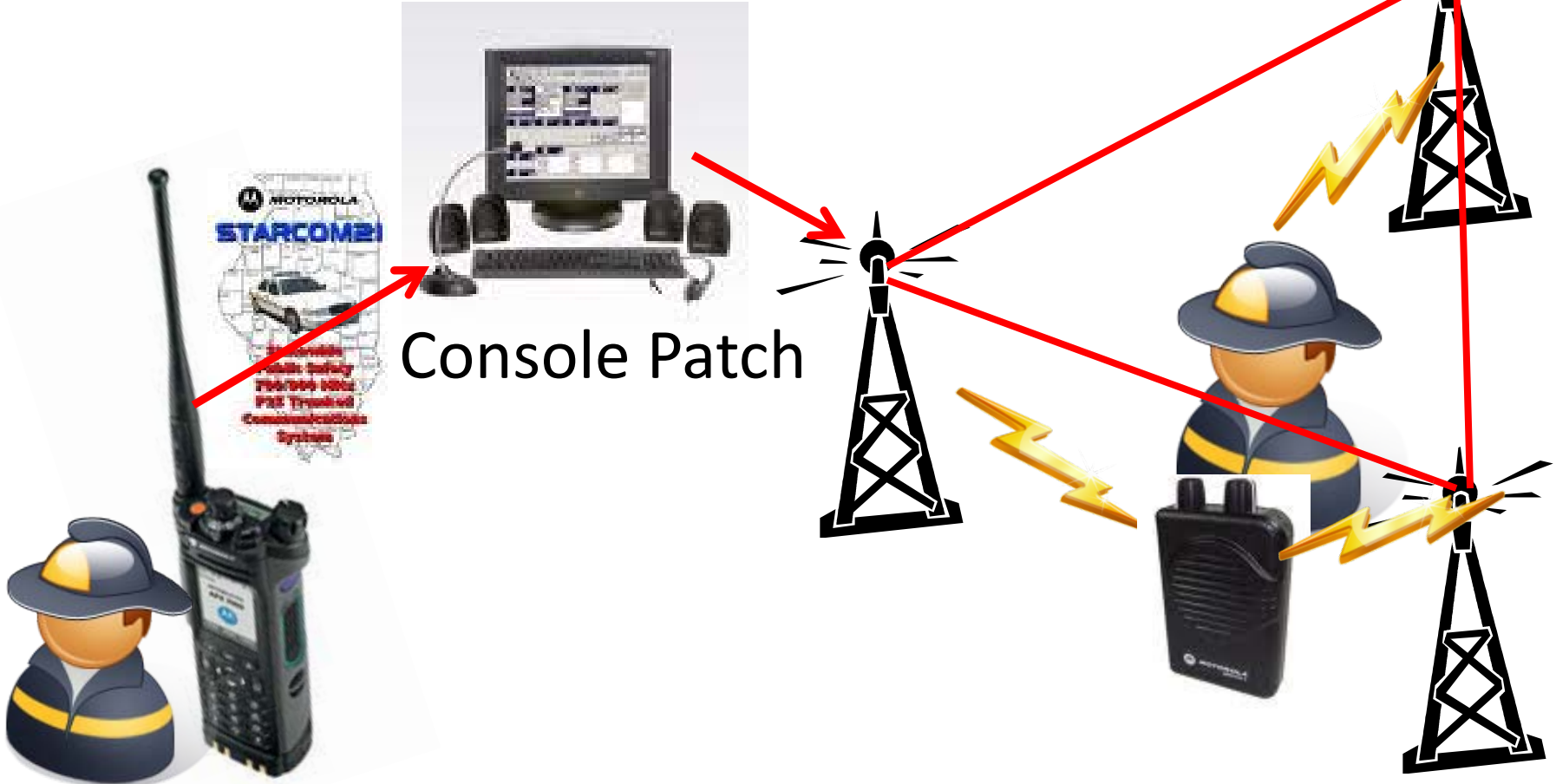


VHF Features

- Allows for existing VHF Mobile (Rig) radios to be used on Primary Dispatch STARCOM21 Talk Groups
 - This could provide for a migration plan to obtain additional mobiles as needed in the future



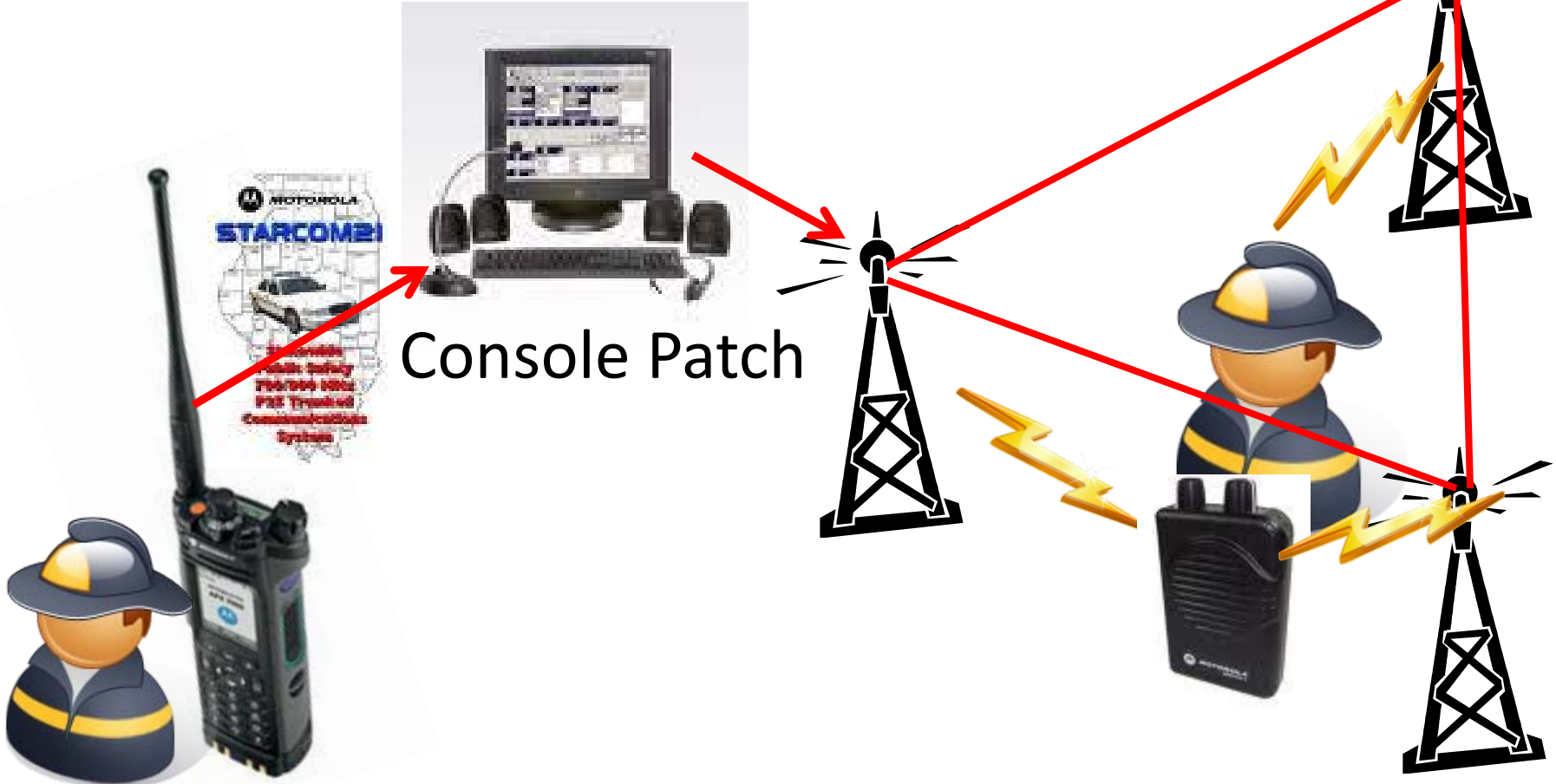
So how will this work?



STARCOM21 County/State
Wide Coverage

VHF Simulcast
Paging Overlay

QUESTIONS?



STARCOM21 County/State
Wide Coverage

VHF Simulcast
Paging Overlay