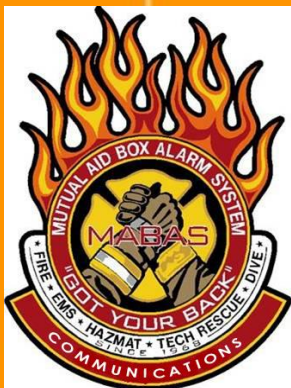


# MABAS-TCD STARCOM21 Update 2008 Door-Stop, Toy, Tool!



# Resources



- [www.MABASRADIO.org](http://www.MABASRADIO.org)
  - All handouts and PPTs available on the website
  - No need to take notes
  - Interactive, informal for today's session
  - “Let's GET REAL!”

# Overview



- STARCOM21
  - Digital Trunked Radio System
  - Owned by Motorola
  - Contract with the State of Illinois
    - In year 5 of 10 and can/will be renegotiated
  - Many “business models”
    - Users (monthly fee)
    - “Occasional User” (Disaster and MABAS-type user)
    - Counties (system of systems)
    - Some FDs using STARCOM21 today for DISPATCH
  - Several grants for bases, mobiles, portables

# Paradigm Shift



- Different from simplex
- Different than repeaters
- Trunked radio
  - Think of Talk Groups as Channels
  - Limited to the capability of the system and state guidelines
  - Limited to available capacity at any given time.

# Initial Grants



- Survey (some refused)
  - Mobile or base
- Delivery
  - Bases (mobiles on power supplies)
  - Mobiles (mag-mount antenna and cigar lighter plug)
  - Transportable Mobiles (Pelican cases)
  - “Some” portables, special assignments
  - NO TRAINING OR ORIENTATION



# Growth & Delays Doorstop Phase



- Statewide System was not completed
  - Limited coverage
  - Display often showed “Out of Range”
  - Frustration
  - Confusion as to use and cost of use
  - No policy, procedures, guidelines
  - DOOR STOPS!

## Law, July 2006



- <http://12.43.67.2/legislation/publicacts/94/PDF/094-1005.pdf>
- Public Act 094-1005 (July 2006)
  - State Interoperability Executive Committee
  - STARCOM21 Oversight Committee
- STARCOM21 User Group (soon...)

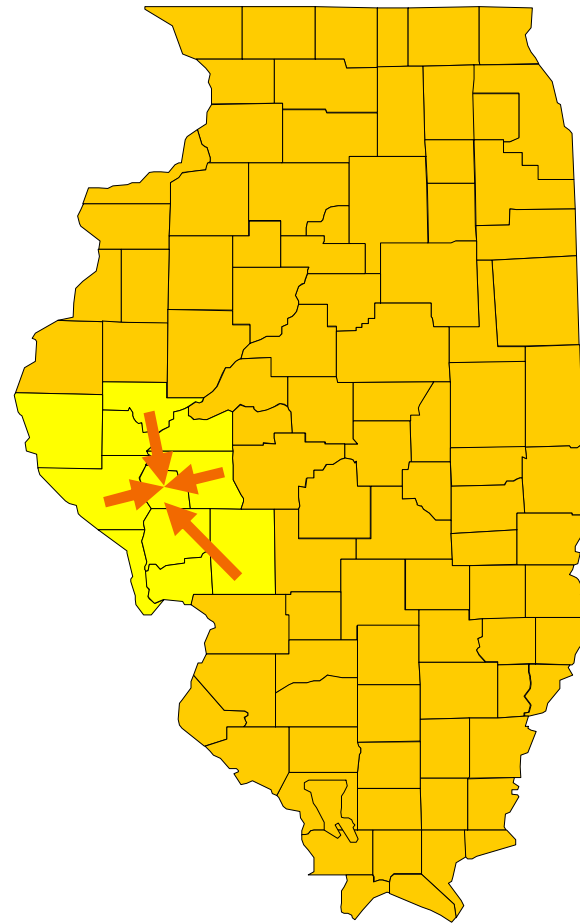
# System Maturity “Toy Stage”



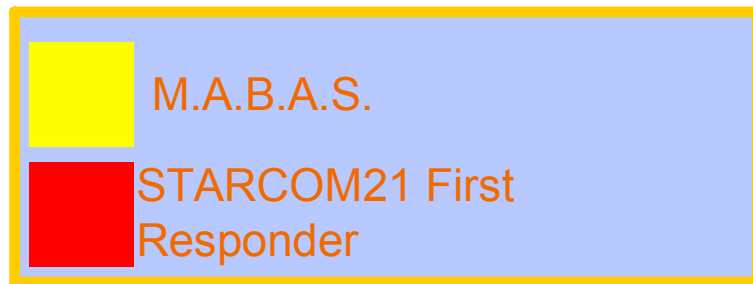
- Shipped with standard Talk Groups
  - “MABAS” is one of them
  - Many others including ILEAS, Public Health, ITTF Regions, Incident
  - Non-Trunked M/A Frequencies
  - Can ADD Systems or Talk Groups, but CANNOT REMOVE channels, Systems or Talk Groups installed under the ITTF plan!
- “Play Time”
  - Testing
  - Chit-Chat



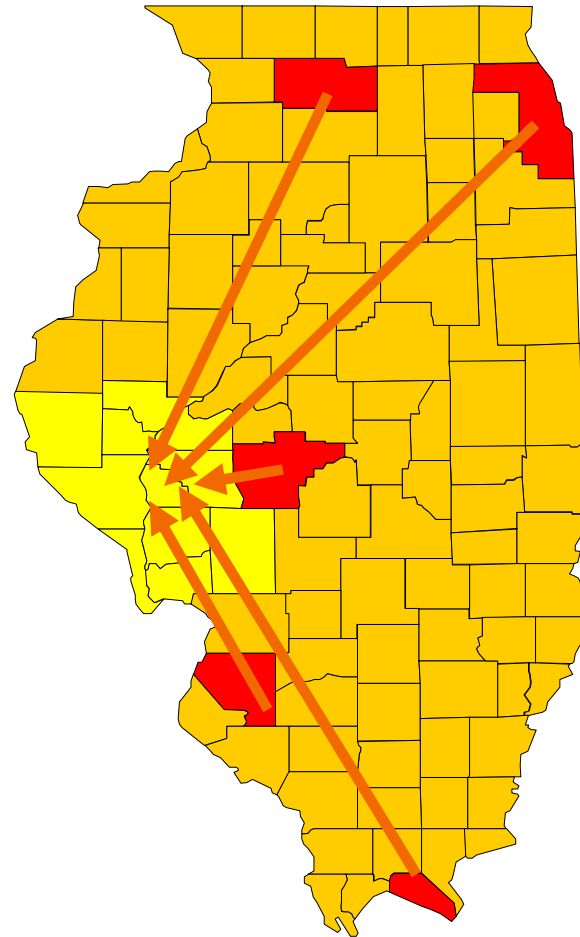
# Application – Mutual Aid Probably IFERN (VHF)



# Application – Interoperability



Strike Teams, Task Forces,  
US&R (IL-TF1), Specialty Teams,  
Interface to Public Health,  
POD Hospitals, Other Disciplines



# Limited Implementation



- Limited Successes, But REAL Successes!
  - Specialty Teams
  - US&R, IL-TF1 Drills
    - Statewide coverage

## MABAS Use of STARCOM21 The Tool Phase



- MABAS-TCD STARCOM21 Policy Draft
  - Action at Committee Level
  - Approval at Committee Level
  - Briefing MABAS Exec Board this week
  - Final Draft to be ready for approval at next MABAS Exec Board Meeting (goal)

# Orientation



- **Review of Policy** (Draft to be available online, 2-25-07 TCD)
- **Hands-On**
  - **Where is it?** (Lesson learned: Fire Station Construction Project)
    - **Asset! Audit! Inventory!** (Lesson Learned: Georgia)
  - **Does it work?**
    - PTT, wait for “chirp” like NEXTEL, then talk
    - PTT, low tone- **CANNOT TALK** (Yet....may be in queue)
  - **How will my Division carry, install, commit to use of STARCOM21?**
- **Testing is OK** (Lesson Learned: NIU)
- **Task Force, Strike Team, Deployment**

# Activations



- Message from RED Center (or Orland) to use STARCOM21 for an approved drill, approved deployment
  - EM-net text message
  - FAX
  - Other secure method
  - Message may also say:
    - STAY OFF STARCOM21 until assigned
  - Form 205?!?!?!?!?

# Radio Signatures



- Companion MABAS Policy
  - C-01-05.05 *Communications – Radio Signatures for MABAS-IL*

<b>MABAS Position</b>	<b>Radio Signature</b>	<b>Current Individual</b>
President	MABAS 100	Chief Jay Reardon
1 <sup>st</sup> Vice President	MABAS 101	Chief Terry Lipinski
2 <sup>nd</sup> Vice President	MABAS 102	Chief Randy Justus
Comptroller	MABAS 103	Chief Paul Maplethorpe
CEO	MABAS 200	(not used)
Deputy CEO	MABAS 201	Chief Jerry Page
Plans Branch Chief	MABAS 202	Chief Bob Key
Finance Branch Chief	MABAS 203	Jill Bywater
Logistics Branch Chief	MABAS 204	(not used)
Ops Branch Chief – North	MABAS 205	Chief Dave Haywood
Ops Branch Chief – Central	MABAS 206	Chief John Stanko
Ops Branch Chief – South	MABAS 207	Chief Larry Jamrozek
MABAS Tahoe	MABAS Utility 1	
Decon Vehicles*	DECON + Division #	"DECON 8"
USAR Director	MABAS 300	(not used)
USAR Lead TFL	MABAS 301	Chief Boyle
Task Force Leaders**	USAR TFL1 & TFL2	Varies
Plans Managers**	USAR PLANS1 & PLANS2	Varies
Logistics Managers**	USAR LOGS1 & LOGS2	Varies
Communications Leader**	USAR COMM LEADER	Varies
Communications Spec**	USAR COMM1 & COMM2	Varies
Task Force Ops Center	DuPage County EOC	
Personnel Processing Cntr	USAR PPC	
Roll-Off 1	USAR Truck 1	
Roll-Off 2	USAR Truck 2	
Roll-Off 3	USAR Truck 3	
Roll-Off 4	USAR Truck 4	
Division Task Force***	(Type) Task Force (Div #)	"FIRE TASK FORCE 19"
Division Strike Team***	(Type) Strike Team (Div #)	"TRT STRIKE TEAM 16"

Source:  
MABAS Policy  
C-01-05.05

"TO-FROM FEMA  
Communications  
Model"

MABAS deployed  
units shall use the  
TO-FROM format:  
EXAMPLES: such  
as:

"RED Center  
FROM EMS  
Taskforce 19"

"MABAS Division  
15 FROM MABAS  
201"

"TRT Strike Team  
16 FROM RED  
Center"



# Next....



## MABAS Starcom Talkgroups

- **MABAS: Statewide (existing)** MABAS Coordination (All Radios)
- **TRT (new) Statewide: Response Coordination** (Select Radios)
- **HAZ-MAT (new) Statewide: Response Coordination** (Select Radios)
- **USAR (new) Statewide: USAR Response Coordination** (Select Radios)
- **IMT (new) Statewide: IMT Response Coordination** (Select Radios)
- **ADMIN (new) Statewide: MABAS Administrative Coordination** (Select Radios)

# Scanners



- Only 4 scanners are on the market that can monitor STARCOM21:
  - GRE PSR-500 (hand-held)
  - GRE PSR-600 (mobile/base)
  - Uniden BCD-396-T (portable)
  - Uniden BCD-996-T (mobile/base)
- Steep learning curve, complex setup
- \$450-500 range

# Resources



[www.MABASRADIO.org](http://www.MABASRADIO.org)

[www.CARMACHICAGO.com](http://www.CARMACHICAGO.com)

<http://www.carmachicago.com/profiles/StarCom21.pdf> (PDF document)

<http://groups.yahoo.com/group/StarCom21/>

PSR-500



PSR-600



BCD-396-T



BCD-396-T (GPS)

# Next...



- **STARCOM21 Policy:** Next MABAS Exec Board Meeting
- **Training Package (PowerPoint, etc.)**
  - Testing, Table-Top or Radio Drills
  - As part of other training events, MOBEX, team reviews
- **Reprogramming is required (3-5 months)**
  - New Talk Groups (US&R, others)
  - New channels due to NEXTEL rebanding
  - YOU WILL BE CONTACTED FOR REPROGAMMING
- **Response Documents from RED Center (Forms via EM-net)**
- **Integration of STARCOM21 in to IAPs**

# **MABAS Communications**



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