Tactical Communications

Starcom 21 Radios and IDPH Radio
Communication Policy

Illinois Department of PUBLIC HEALTH

STATE of ILLINOIS
Tactical Communications

- Tactics can be defined as actions that are generally short term in support of a larger purpose.
- It is a military term adopted by many.
- Tactical communication is in support of tactical operations to accomplish a mission.
- These communications are now generally electronic-primarily radios.
Communication Systems

- The primary tactical communication device for the State of Illinois in the field is the Starcom 21 radio.
- Additional examples of tactical communication equipment includes but is not limited to:
  - Cell phones
  - Internet (Groove file sharing and communication software and others)
  - PDAs
  - Satellite phones
  - HAM Radios.
IDPH Utilization of Starcom

• Serves as a redundant communication system
• Provided to pre-identified personnel serving in emergency response roles
• Conduct of routine drills of Starcom system
• Used during emergency response, for example:
  – Tactical operation, such as in an SNS Mission at the RSS RDC warehouses and between partners during distribution
  – Communication between PHEOC and RSS or UAC
  – Communication between command staff and field staff
  – Communication between Springfield and IDPH labs
  – Monitoring of emergency response
  – May become primary system when other systems have failed
## ICS 205 Communication Plan

### INCIDENT RADIO COMMUNICATIONS PLAN

<table>
<thead>
<tr>
<th>SYSTEM/CACHE</th>
<th>CHANNEL</th>
<th>FUNCTION</th>
<th>FREQUENCY/TONE</th>
<th>ASSIGNMENT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>StarCom21 - Talk group (Channel 1)</td>
<td>Zone A -1</td>
<td>PHEOC to SEOC</td>
<td>Zone A - PUB HLTH</td>
<td>Communications from PHEOC to SEOC</td>
<td></td>
</tr>
<tr>
<td>StarCom21 - Talk group (Channel 2)</td>
<td>Zone A - Channels 6 Or 7 Or 8</td>
<td>Incident Commander at RSS to SNS Distribution Branch Director at PHEOC</td>
<td>Zone A - PH RKFRD - 6 PH PEORIA -7 PH EDWRS -8</td>
<td>Talk Group assigned by RSS location Activated. Encrypted utilized if necessary.</td>
<td></td>
</tr>
<tr>
<td>RSS location EOC Face to Face (Channel 3)</td>
<td>Face to Face All parties in same room</td>
<td>Incident Commander's Staff</td>
<td>Face to Face All parties in same room</td>
<td>Conversations carried out during the incident in the EOC located at the RSS location.</td>
<td></td>
</tr>
<tr>
<td>StarCom21 - Talk group (Channel 4)</td>
<td>Zone AC - 7TAC58D</td>
<td>Operations Communications Net</td>
<td>Zone AC - 7TAC58D</td>
<td>Operations Communications Net, local Simplex Tact Channel</td>
<td></td>
</tr>
<tr>
<td>StarCom21 - Talk group (Channel 5)</td>
<td>Zone AA - Incidnt2</td>
<td>RDC Coordinator DOC Net.</td>
<td>Zone AA - Incidnt2</td>
<td>RDC Communications DOC Net, Communications between RDC Coordinator and the remote RDC's operations.</td>
<td></td>
</tr>
<tr>
<td>StarCom21 - Talk group (Channel 6)</td>
<td>Zone AC - 7TAC62D</td>
<td>Transportation Coordinator IDOT RSS Local Tactical Net</td>
<td>Zone AC - 7TAC62D</td>
<td>Transportation Coordinator IDOT Local Tactical Net, coordinate operations within RSS</td>
<td></td>
</tr>
</tbody>
</table>

**May 2012**
Starcom 21 Radio System

- Motorola Owned, Operated, Maintained
- Statewide Coverage and Roaming
- 700 MHz – 800 MHz Trunked
- Project 25 Digital
- 200 Sites, 3 Controllers
- 95% Mobile Coverage
Concepts

- **Trunking**
  - Many Users
  - Many Talkgroups
  - Few Frequencies

- **Talkgroups**
  - Radio “channel” that uses several system selected frequencies
Trunked System

Trunked System
Dispatch Center Transmit
Fireground Communications

Actual frequencies are assigned dynamically by the control equipment.

Transmit/Receive
Site 1
E 4 Receives from Site 1
Pump 3 Receives from Site 1

E 1 Receives from Site 3

Dispatch Center
Transmit audio
Control Equipment
Site 3 Transmit audio
Site 2 Transmit audio
Site 1 Transmit audio

E 3 Receives from Site 2
E 2 Receives from Site 2

May 2012
STATE of ILLINOIS
Starcom Trunked System

- LHD 1st received radios from ITTF
- Illinois’ emergency interoperable radio communication system
- Communication between public safety partners
- IDPH StarCom Health and Medical Radio Communication Policy
- Health and Medical Talkgroups
  - PUB HLTH
  - EMS
  - IMERT 1
  - IMERT 2
  - REDCROSS
  - PH XXXXXX
  - EMS RX
  - PUB HLTH X
## Old Starcom Template

### Old IEMA Template

<table>
<thead>
<tr>
<th>Zone</th>
<th>IDPH Talkgroups</th>
<th>Old IEMA Template</th>
<th>IEMA / ITTF Template Mandatory</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PUB HLTH</td>
<td>IESMA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>EMS</td>
<td>ILEAS</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>IMERT1</td>
<td>MABAS</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>IMERT2</td>
<td>Pub Hlth</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>REDCROSS</td>
<td>Incidnt1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>PH RKFRD</td>
<td>Incidnt2</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>PH PEORIA</td>
<td>Incidnt3</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>PH EDWRS</td>
<td>Zone 1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>PH MARION</td>
<td>Zone 2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>PH CHMPGN</td>
<td>Zone 3</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>PH BLLWD</td>
<td>EMS R6</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>PH WCHCGO</td>
<td>EMS R7</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>EMS R8</td>
<td>RGN 3A</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>EMS R9</td>
<td>RGN 3B</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>EMS R10</td>
<td>RGN 4A</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>EMS R11</td>
<td>RGN 4B</td>
<td></td>
</tr>
</tbody>
</table>

### Selectable Secure

- ALWAYS Secure
- Interop

---

**May 2012**

**STATE of ILLINOIS**
<table>
<thead>
<tr>
<th>Zone</th>
<th>IDPH TALKGROUPS</th>
<th>IEMA</th>
<th>ANSI NATIONAL STANDARD TEMPLATE</th>
<th>Analog Low Power</th>
<th>IEMA/ITTF TEMPLATE MANDATORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PUB HLTH</td>
<td>IESMA</td>
<td>RGN 2A</td>
<td>70TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>2</td>
<td>EMS</td>
<td>ILEAS</td>
<td>RGN 2B</td>
<td>7TAC50D</td>
<td>RGN 52D</td>
</tr>
<tr>
<td>3</td>
<td>IMERT 1</td>
<td>MABAS</td>
<td>RGN 3A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>4</td>
<td>IMERT 2</td>
<td>Pub Hlth</td>
<td>RGN 3B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>5</td>
<td>REDCROSS</td>
<td>IPWMAN</td>
<td>RGN 4A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>6</td>
<td>PH RKFRD</td>
<td>EMS R1</td>
<td>RGN 4B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>7</td>
<td>PH PEORIA</td>
<td>EMS R2</td>
<td>RGN 6A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>8</td>
<td>PH EDWRS</td>
<td>EMS R3</td>
<td>RGN 6B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>9</td>
<td>PH MARION</td>
<td>EMS R4</td>
<td>RGN 7A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>10</td>
<td>PH CHMPGN</td>
<td>EMS R5</td>
<td>RGN 7B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>11</td>
<td>PH BLLWD</td>
<td>EMS R6</td>
<td>North A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>12</td>
<td>PH WCHCGO</td>
<td>EMS R7</td>
<td>North B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>13</td>
<td>PH CHCGO</td>
<td>EMS R8</td>
<td>Center A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>14</td>
<td>PUB HLTH 1</td>
<td>EMS R9</td>
<td>Center B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>15</td>
<td>PUB HLTH 2</td>
<td>EMS R10</td>
<td>South A</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
<tr>
<td>16</td>
<td>PUB HLTH 3</td>
<td>EMS R11</td>
<td>South B</td>
<td>7TAC50D</td>
<td>7TACAC9D</td>
</tr>
</tbody>
</table>

Selectable
Secure
ALWAYS
Secure
Interop
New
Interop

700 Calling | 800 Calling | General | Mobile | Mobile | Mobile | Mobile | Law | Fire | Medical
Tactical | RPT Digital | RPT Analog | Enforcement | RPT | Enforcement | RPT | Medical

May 2012
STATE of ILLINOIS
<table>
<thead>
<tr>
<th>Old IEMA</th>
<th>IDPH TALKGROUPS</th>
<th>New IEMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB AA</td>
<td>Zone A</td>
<td>B</td>
</tr>
<tr>
<td>RGN 6A IESMA</td>
<td>1</td>
<td>PUB HLTH</td>
</tr>
<tr>
<td>RGN 6B ILEAS</td>
<td>2</td>
<td>EMS</td>
</tr>
<tr>
<td>RGN 7A MABAS</td>
<td>3</td>
<td>IMERT1</td>
</tr>
<tr>
<td>RGN 7B Pub Hlth</td>
<td>4</td>
<td>IMERT2</td>
</tr>
<tr>
<td>RGN 8A Incidnt1</td>
<td>5</td>
<td>REDCROSS</td>
</tr>
<tr>
<td>RGN 8B Incidnt2</td>
<td>6</td>
<td>PH RKFRD</td>
</tr>
<tr>
<td>RGN 9A Incidnt3</td>
<td>7</td>
<td>PH PEORIA</td>
</tr>
<tr>
<td>RGN 9B Zone 1</td>
<td>8</td>
<td>PH EDWRS</td>
</tr>
<tr>
<td>RGN 11A Zone 2</td>
<td>9</td>
<td>PH MARION</td>
</tr>
<tr>
<td>RGN 11B Zone 3</td>
<td>10</td>
<td>PH CHMPGN</td>
</tr>
<tr>
<td>BLANK RGN 2A</td>
<td>11</td>
<td>PH BLLWD</td>
</tr>
<tr>
<td>BLANK RGN 2B</td>
<td>12</td>
<td>PH WCHCGO</td>
</tr>
<tr>
<td>BLANK RGN 3A</td>
<td>13</td>
<td>PH CHCGO</td>
</tr>
<tr>
<td>BLANK RGN 3B</td>
<td>14</td>
<td>PUB HLTH 1</td>
</tr>
<tr>
<td>BLANK RGN 4A</td>
<td>15</td>
<td>PUB HLTH 2</td>
</tr>
<tr>
<td>BLANK RGN 4B</td>
<td>16</td>
<td>PUB HLTH 3</td>
</tr>
</tbody>
</table>
Starcom Regional Public Health Talkgroups

Public Health
(Operator Select Encryption)
PH RKFRD
PH PEORIA
PH EDWRS
PH MARION
PH CHMPGN
PH BLLWD
PH WCHCGO
PH CHCGO

Pub Hlth 1 (Springfield)
(Assigned as the Springfield Public Health Region)
Starcom EMS Regional Talkgroups

Medical Systems
(Forced Encryption)

EMS R1
EMS R2
EMS R3
EMS R4
EMS R5
EMS R6
EMS R7
EMS R8
EMS R9
EMS R10
EMS R11
Regional IEMA Talkgroups
(NON-Encrypted)

RGN 2A  RGN 2B
RGN 3A  RGN 3B
RGN 4A  RGN 4B
RGN 6A  RGN 6B
RGN 7A  RGN 7B
RGN 8A  RGN 8B
RGN 9A  RGN 9B
RGN 11A RGN 11B
## Tactical Channels

<table>
<thead>
<tr>
<th>Zone</th>
<th>BC</th>
<th>BD</th>
<th>BE</th>
<th>BF</th>
<th>BG</th>
<th>BH</th>
<th>BI</th>
<th>AG</th>
<th>AF</th>
<th>AE</th>
<th>AD</th>
<th>AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8CAL-90D</td>
<td>7 CAL 50D</td>
<td>7 MOB 59D</td>
<td>7 CAL 70D</td>
<td>7 MOB 79D</td>
<td>7TAC1D</td>
<td>7MTAC9D</td>
<td>8CAL-90D</td>
<td>I-CALL D</td>
<td>7 CAL 59D</td>
<td>7 TAC 74D</td>
<td>7 TAC 58D</td>
</tr>
<tr>
<td>2</td>
<td>8TAC-91D</td>
<td>7 TAC 51D</td>
<td>7MOB59DA</td>
<td>7 TAC 71D</td>
<td>7MOB79DA</td>
<td>7TAC2D</td>
<td>7NTAC10D</td>
<td>8TAC-91D</td>
<td>I-TAC 1 D</td>
<td>7 TAC 63D</td>
<td>7 TAC 78D</td>
<td>7 TAC 62D</td>
</tr>
<tr>
<td>3</td>
<td>8TAC-92D</td>
<td>7 TAC 52D</td>
<td>7 LAW 61D</td>
<td>7 TAC 72D</td>
<td>7 LAW 81D</td>
<td>7TAC3D</td>
<td>7NTAC11D</td>
<td>8TAC-92D</td>
<td>I-TAC 2 D</td>
<td>7 TAC 67D</td>
<td>7 TAC 82D</td>
<td>7 TAC 66D</td>
</tr>
<tr>
<td>4</td>
<td>8TAC-93D</td>
<td>7 TAC 53D</td>
<td>7 LAW 62D</td>
<td>7 TAC 73D</td>
<td>7 LAW 82D</td>
<td>7TAC4D</td>
<td>7NTAC12D</td>
<td>8TAC-93D</td>
<td>I-TAC 3 D</td>
<td>7 TAC 73D</td>
<td>7 LAW 84D</td>
<td>7 LAW 68D</td>
</tr>
<tr>
<td>5</td>
<td>8TAC-94D</td>
<td>7 TAC 54D</td>
<td>7 FIRE 63D</td>
<td>7 TAC 74D</td>
<td>7 FIRE 83D</td>
<td>7TAC5D</td>
<td>7MTAC9</td>
<td>8TAC-94D</td>
<td>I-TAC 4 D</td>
<td>7 CAL 75D</td>
<td>7 LAW 85D</td>
<td>7 LAW 69D</td>
</tr>
<tr>
<td>6</td>
<td>8CAL-9D</td>
<td>7 TAC 55D</td>
<td>7 FIRE 64D</td>
<td>7 TAC 75D</td>
<td>7 FIRE 84D</td>
<td>7TAC6D</td>
<td>7NTAC10</td>
<td>8CAL-90R</td>
<td>I-CALL R</td>
<td>7 TAC 79D</td>
<td>7 TAC 86D</td>
<td>7 TAC 70D</td>
</tr>
<tr>
<td>7</td>
<td>8TAC-91</td>
<td>7 TAC 56D</td>
<td>7 MED 65D</td>
<td>7 TAC 76D</td>
<td>7 MED 86D</td>
<td>7TAC7D</td>
<td>7NTAC11</td>
<td>8TAC-91R</td>
<td>I-TAC 1 R</td>
<td>7 TAC 83D</td>
<td>7 MOB 88D</td>
<td>7 MOB 72D</td>
</tr>
<tr>
<td>8</td>
<td>8TAC-92</td>
<td>7 GTAC 57D</td>
<td>7 MED 66D</td>
<td>7 TAC 77D</td>
<td>7 MED 87D</td>
<td>7TAC8D</td>
<td>7NTAC12</td>
<td>8TAC-92R</td>
<td>I-TAC 2 R</td>
<td>7 TAC 89D</td>
<td>7 TAC 74</td>
<td>7 TAC 58</td>
</tr>
<tr>
<td>9</td>
<td>8TAC-93</td>
<td>7 CAL 50</td>
<td>7 MOB 59</td>
<td>7 CAL 70</td>
<td>7 MOB 79</td>
<td>7TAC1</td>
<td>BLANK</td>
<td>8TAC-93R</td>
<td>I-TAC 3 R</td>
<td>7 CAL 59</td>
<td>7 TAC 78</td>
<td>7 TAC 62</td>
</tr>
<tr>
<td>10</td>
<td>8TAC-94</td>
<td>7 TAC 51</td>
<td>7MOB59A</td>
<td>7 TAC 71</td>
<td>7MOB79A</td>
<td>7TAC2</td>
<td>BLANK</td>
<td>8TAC-94R</td>
<td>I-TAC 4 R</td>
<td>7 TAC 63</td>
<td>7 TAC 82</td>
<td>7 TAC 66</td>
</tr>
<tr>
<td>11</td>
<td>BLANK</td>
<td>7 TAC 52</td>
<td>7 LAW 61</td>
<td>7 TAC 72</td>
<td>7 LAW 81</td>
<td>7TAC3</td>
<td>BLANK</td>
<td>I-CALL RN</td>
<td>I-CALL DN</td>
<td>7 TAC 67</td>
<td>7 LAW 84</td>
<td>7 LAW 68</td>
</tr>
<tr>
<td>12</td>
<td>BLANK</td>
<td>7 TAC 53</td>
<td>7 LAW 62</td>
<td>7 TAC 73</td>
<td>7 LAW 82</td>
<td>7TAC4</td>
<td>BLANK</td>
<td>I-TAC 1 RN</td>
<td>I-TAC 1 DN</td>
<td>7 TAC 73</td>
<td>7 LAW 85</td>
<td>7 LAW 69</td>
</tr>
<tr>
<td>13</td>
<td>BLANK</td>
<td>7 TAC 54</td>
<td>7 FIRE 63</td>
<td>7 TAC 74</td>
<td>7 FIRE 83</td>
<td>7TAC5</td>
<td>BLANK</td>
<td>I-TAC 2 RN</td>
<td>I-TAC 2 DN</td>
<td>7 CAL 75</td>
<td>7 TAC 86</td>
<td>7 TAC 70</td>
</tr>
<tr>
<td>14</td>
<td>BLANK</td>
<td>7 TAC 55</td>
<td>7 FIRE 64</td>
<td>7 TAC 75</td>
<td>7 FIRE 84</td>
<td>7TAC6</td>
<td>BLANK</td>
<td>I-TAC 3 RN</td>
<td>I-TAC 3 DN</td>
<td>7 TAC 79</td>
<td>7 MOB 88</td>
<td>7 MOB 72</td>
</tr>
<tr>
<td>15</td>
<td>BLANK</td>
<td>7 TAC 56</td>
<td>7 MED 65</td>
<td>7 TAC 76</td>
<td>7 MED 86</td>
<td>7TAC7</td>
<td>BLANK</td>
<td>I-TAC 4 RN</td>
<td>I-TAC 4 DN</td>
<td>7 TAC 83</td>
<td>BLANK</td>
<td>BLANK</td>
</tr>
<tr>
<td>16</td>
<td>BLANK</td>
<td>7 GTAC 57</td>
<td>7 MED 66</td>
<td>7 GTAC 77</td>
<td>7 MED 87</td>
<td>7TAC8</td>
<td>BLANK</td>
<td>BLANK</td>
<td>BLANK</td>
<td>7 TAC 89</td>
<td>BLANK</td>
<td>BLANK</td>
</tr>
</tbody>
</table>

### 700 Calling
#### 800 Calling
- General
- Tactical
- Mobile
- RPTR
- Digital
- Mobile
- RPTR
- Analog

- Law Enforcement
- Fire
- Medical
- IPWMAN

---

May 2012

STATE of ILLINOIS
Your Portable Radio XTS 2500

Menu Options

- Zone Select
- Mute Keypad
- Battery
- Scan List View
- Clock
- Nuisance Delete & Restore

Other Options

- HOME Select

Control Top

- Power On/Off
- Volume Control
- Talkgroup/Channel Select
- A = Scan On  B = Scan Off  C = Scan Program & View

Side Buttons

- (Trunking) Secure/Clear
- (Conventional) Monitor
- Push-To-Talk ((PTT) Button
- Display Light
- (Trunking) Site View/Search

May 2012

STATE of ILLINOIS
Your Impres Battery and Charger

<table>
<thead>
<tr>
<th>IMPRES Battery Charging Indicators</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Charge Indicator</strong></td>
<td>Description</td>
</tr>
<tr>
<td>Single Flash Green</td>
<td>Charger has successfully powered up.</td>
</tr>
<tr>
<td>Steady Red</td>
<td>Battery is in rapid charge mode.</td>
</tr>
<tr>
<td>Flashing Green</td>
<td>Battery has completed rapid charge (&gt;90% available capacity). Battery is in Top-Off charge (Trickle charge).</td>
</tr>
<tr>
<td>Steady Green</td>
<td>Battery has completed charging and is fully charged.</td>
</tr>
<tr>
<td>Flashing Yellow</td>
<td>Battery is recognized by charger but is waiting to charge. (Either the battery voltage is too low or the battery temperature is too low or too high to allow charging. When this condition is corrected, the battery will automatically begin charging.)</td>
</tr>
<tr>
<td>Flashing Red</td>
<td>Battery is unchargeable or not making proper contact.</td>
</tr>
<tr>
<td>Steady Yellow</td>
<td>(This feature applies to IMPRES batteries only) Battery is in recondition or initialization mode. The length of time the charger remains in this mode depends upon the state of charge remaining in the battery when inserted. (Fully charged batteries require more time to recondition – 8 to 12 hours or more – than fully discharged batteries.)</td>
</tr>
<tr>
<td>Flashing Red/Green</td>
<td>(This feature applies to IMPRES batteries only) Battery has completed charging and is fully charged. Battery continues to be usable, but may be nearing the end of its rated service life.</td>
</tr>
</tbody>
</table>

On the product label of the battery there are 3 separate sequences of numbers. From Left to Right
Three (3) number (850) Manufacturing Date Code.
Four (4) Numbers and letters, another manufacture code.
Eight (8) Numbers and letters, which are the part number (NTN9858C)
The date code means, the year and week of production the first number being the year and the last 2 numbers being the week of production.
If the code is 850, 8 indicates 2008, and the 50 indicates the 50th week of that year.
Local Health Department Radios – XTL 5000 W7 / Mobile or Control Base

Numbers 3 and 2 on the keypad provide ZONE control over the Radio Prior to the Flash Upgrade March 2011. After the Flash Upgrade, numbers 1 & 2 have become the Zone Up Down Control and will be indicated by the arrow buttons on the button. In most cases
IDPH and Illinois Hospital Radios – XTL 2500/ Mobile or Control Base

- Volume Knob
- Dimmer Button
- Talkgroup/Channel Knob
- Power Button
- Home Button
- Soft Menu Keys
- 4-way Navigation Button
- Zone Up Down
- Microphone
- Channel/Mode
- Push to Talk (PTT Button)
EME Exposure Consideration
APX 6000/ APX 6500 Portable and Mobile/Control Base
APX 6000 Portable

- Wide knobs and controls
- Large top display
- Color Display
- Full size Keypad
- Dual Microphones
- Universal PTT
- 3 programmable side buttons
- Accessory Connector
- Loud Speaker

Model Shown: Model 1 and Model 3

May 2012
Starcom 21 Radio Drills

- Starcom radio drills to be determined and approved by the Training & Exercise Section Chief at IDPH
- IDPH internal, IDPH Regional Offices, EMS Regions, PHEP Regions, LHDs & Hospitals
- Notification of all ad hoc drills should be sent to Training & Exercise Section Chief at IDPH
- Drill Protocol
- Future changes per Policy
Script for IDPH Regional Starcom21 Radio Net Communications Drills:

- **Host:** “This is (Agency Name), in five minutes the (Agency Name) will Initiate a Starcom Radio Net Communications drill for the (agency, region). Please stand by OUT.”

- **Host:** “(Agency Name) is initiating a Starcom21 Radio Net Communications Drill for the (agency, region). Please turn to IDPH Talkgroup (the appropriate IDPH talkgroup) or the IEMA Regional Talkgroup (RGN # (IEMA Region 2B thru 11B).” OVER (The Host will announce the Zone as part of the talkgroup announcement, Zone A/B and the Talkgroup or AA/AB and Talkgroup RGN 2B-11B)

- **Host:** "Please respond to Agency roll call. (Announced as listed on the roll call sheet) "(Agency/IDPH name) are you present. OVER."

- **Responder:** "(Agency/IDPH name) PRESENT OVER."

- **Host:** "(Agency/IDPH name) message received. OVER."

- **(If the responding agency didn’t acknowledge the call by the Host, the Host should respond with “Negative Contact with Agency/IDPH name OVER” and the host should continue with the drill.)**
  - **Upon completion of the first effort through the roll call list, if any Agency(s)/IDPH name did not respond a second effort to should be attempted, the host should announce that a second attempt to reach the agencies only calling on those Agency(s)/IDPH name who didn’t respond the first time using basically the same script.**

- **Upon completion of the drill the Host will response with:** “This concludes the (Agency) StarCom Radio Drill. Please return your radios to the Public Health All-Call Channel (PUB HLTH). OUT.”

Since the Reprogramming project has been completed, the use of the Public Health Talk Groups in Zone A and B are intended to be used for all Public Health related Drills an exercises in Accord with the IDPH Starcom Policy Document
Tactical Communications

Questions?

Billy Carter
Radio Coordinator
122 S. Michigan Ave. 7th Floor
Chicago, IL 60603
Office: (312) 814-5208
Cell: (312) 497-6802
E-mail: billy.carter@illinois.gov

Training & Exercise Section Chief
422 S. 5th Street, 4th Floor
Springfield, IL 62701
Office: (217) 557-8617
Cell: (217) 685-4905