

Unit 7

Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio
Communications Plan

Visual 7-1

Unit Terminal Objective

At the end of this unit, students will be able to create and publish a properly constructed ICS Form 205 – Incident Radio Communications Plan and a Form 217A - Communications Resource Availability.

ICS Form 205 – Purpose

- **The ICS Form 205 – Incident Radio Communications Plan is the “master communications plan” for the incident.**
 - **Provides information on all radio frequency or trunked system talk groups for each operational period.**
 - **Contains assignments of resources by COML.**
 - **Included in IAP**

Handout 7-1: ICS Form 205 – Incident Radio Communications Plan

ICS Form 205 – General Guidelines

- Incident Radio Communications plan includes:
 - Command Radio Network
 - Tactical (division) net requirements
 - Support net requirements
- Not all networks appear on the “official” ICS Form 205 Radio Communications Plan



ICS Form 205 – Specific Contents

- **Important information includes:**
 - **Repeater locations**
 - **Incident location**
 - **Interoperable gateway locations and points of contact**
 - **Patched channels**

What other information might it be important to include?

ICS Form 205 – Preparation

- 1. Develop a list of needed functions**
 - **Who is here?**
 - **What divisions, groups, or tasks will they be performing?**
- 2. Work with the Operations Section Chief to determine required network assignments**
- 3. Create the ICS Form 205 – Incident Radio Communications Plan**

ICS Form 205 – Distribution

- **Ensure a copy of the ICS Form 205 – Incident Radio Communications Plan is delivered to the appropriate Communications Point of Contact and any other regionally required personnel**
- **If field programming or cloning is occurring at the incident, validate the accuracy of the programming**

How often should the ICS Form 205 – Incident Radio Communications Plan be re-evaluated?

Form 217A Communications Resource Availability

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET Form 217A				Frequency Band 800 MHZ				Description Interoperable Tactical Channels		
Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Duplex	8CALL90	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	
Simplex	8CALL90D	Any Public Safety	851.0125	W	156.7	851.0125	W	156.7	A	
Duplex	8TAC91	Any Public Safety	851.5125	W	156.7	806.5125	W	156.7	A	
Simplex	8TAC91D	Any Public Safety	851.5125	W	156.7	851.5125	W	156.7	A	
Duplex	8TAC92	Any Public Safety	852.0125	W	156.7	807.0125	W	156.7	A	
Simplex	8TAC92D	Any Public Safety	852.0125	W	156.7	852.0125	W	156.7	A	
Duplex	8TAC93	Any Public Safety	852.5125	W	156.7	807.5125	W	156.7	A	
Simplex	8TAC93D	Any Public Safety	852.5125	W	156.7	852.5125	W	156.7	A	
Duplex	8TAC94	Any Public Safety	853.0125	W	156.7	808.0125	W	156.7	A	
Simplex	8TAC94D	Any Public Safety	853.0125	W	156.7	853.0125	W	156.7	A	

Handout 7-2: ICS Form 217 Radio Frequency Assignment Worksheet

Handout 7-3: Form 217A Communications Resource Availability

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-9

Form 217A Communications Resource Availability

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET Form 217A				Frequency Band UHF			Description Interoperable Tactical Channels			
Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Duplex	UCALL40	Any Public Safety	453.2125	N	156.7	458.2125	N	156.7	A	
Simplex	UCALL40D	Any Public Safety	453.2125	N	156.7	453.2125	N	156.7	A	
Duplex	UTAC41	Any Public Safety	453.4625	N	156.7	458.4625	N	156.7	A	
Simplex	UTAC41D	Any Public Safety	453.4625	N	156.7	453.4625	N	156.7	A	
Duplex	UTAC42	Any Public Safety	453.7125	N	156.7	458.7125	N	156.7	A	
Simplex	UTAC42D	Any Public Safety	453.7125	N	156.7	453.7125	N	156.7	A	
Duplex	UTAC43	Any Public Safety	453.8625	N	156.7	458.8625	N	156.7	A	
Simplex	UTAC43D	Any Public Safety	453.8625	N	156.7	453.8625	N	156.7	A	

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio
Communications Plan

Visual 7-10

Form 217A Communications Resource Availability

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET Form 217A				Frequency Band VHF HIGH BAND				Description Interoperable Tactical Channels		
Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Simplex	VCALL10	Any Public Safety	155.7525	N	156.7	155.7525	N	156.7	A	Calling/Hailing
Simplex	VTAC11	Any Public Safety	151.1375	N	156.7	151.1375	N	156.7	A	Tactical Simplex
Simplex	VTAC12	Any Public Safety	154.4525	N	156.7	154.4525	N	156.7	A	Tactical Simplex
Simplex	VTAC13	Any Public Safety	158.7375	N	156.7	158.7375	N	156.7	A	Tactical Simplex
Simplex	VTAC14	Any Public Safety	159.4725	N	156.7	159.4725	N	156.7	A	Tactical Simplex
Duplex	VTAC33	Any Public Safety	159.4725	N	136.5	151.1375	N	136.5	A	Tactical Repeater
Duplex	VTAC34	Any Public Safety	158.7375	N	136.5	154.4525	N	136.5	A	Tactical Repeater
Duplex	VTAC35	Any Public Safety	159.4725	N	136.5	158.7375	N	136.5	A	Tactical Repeater
Duplex	VTAC36	Any Public Safety	151.1375	N	136.5	159.4725	N	136.5	A	Tactical Repeater
Duplex	VTAC37	Any Public Safety	154.4525	N	136.5	158.7375	N	136.5	A	Tactical Repeater
Duplex	VTAC38	Any Public Safety	158.7375	N	136.5	159.4725	N	136.5	A	Tactical Repeater
VTAC33-38 Recommended for deployable tactical repeater user only (FCC Station Class FB2T). VTAC36-38 are preferred: VTAC33-35 should be used only when necessary due to interference.										

Unit 7:

Form 217A Communications Resource Availability

- **“Copy” an available resource from the pre-filled Form 217A**

Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Duplex	8CALL90	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	

Form 217A Communications Resource Availability

- **“Copy” an available resource from the pre-filled Form 217A**

Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Duplex	8CALL90	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	

- **“Paste” the resource to be used from the ICS 217A to the line on the ICS 205 which designates how the channel or talk group will be used during the incident**

Channel Configuration	Channel Name / Trunked Radio System Talk Group	Eligible Users	Mobile RX Freq	N / W	RX Tone / NAC	Mobile TX Freq	N / W	TX Tone / NAC	Mode A, D, or M	Notes
Command	8CALL90	Command	851.0125	W	156.7	806.0125	W	156.7	A	

Unit 7:

ICS Form 205 (cont'd)

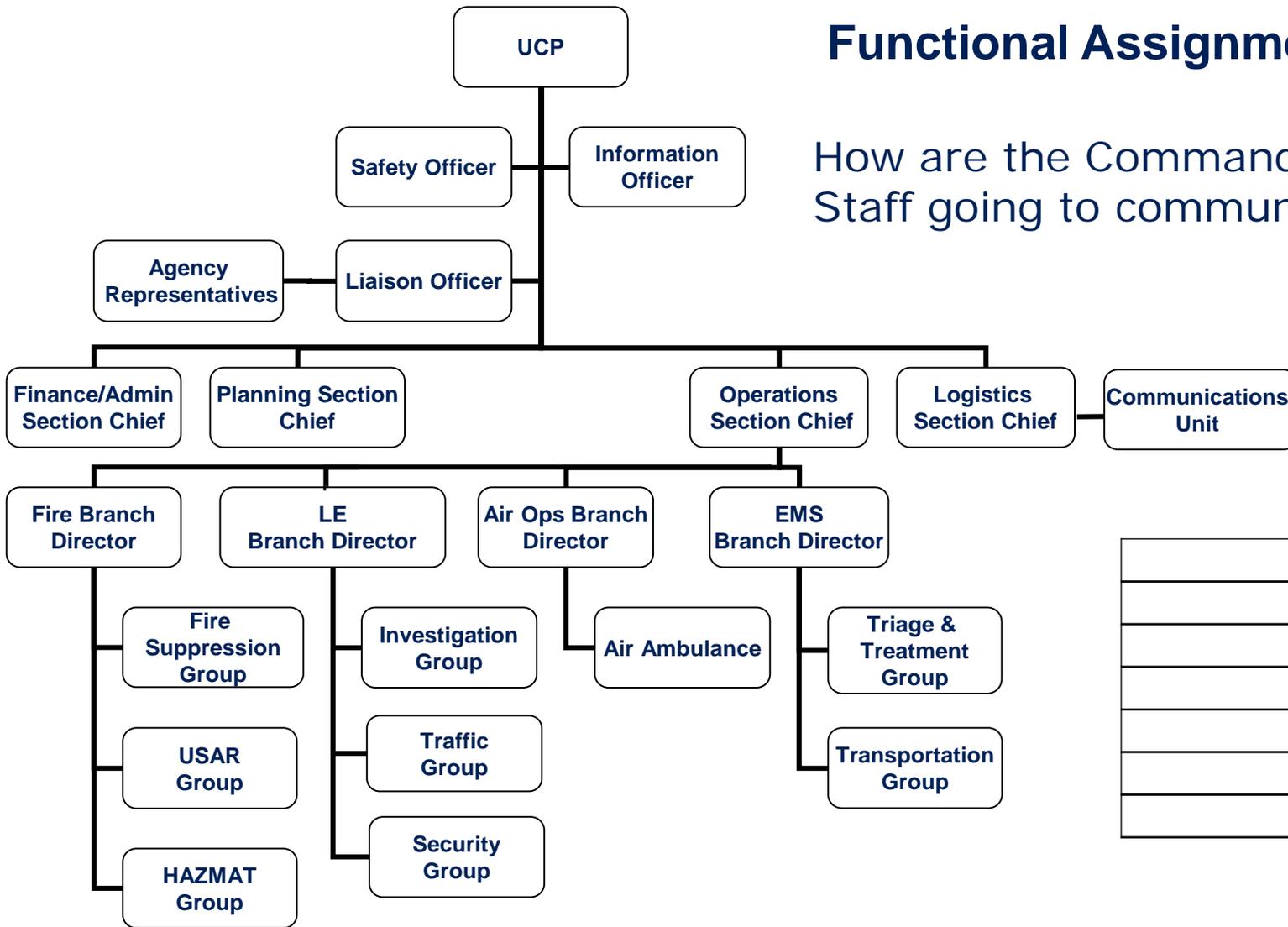
- **When completing the ICS Form 205 Radio Communications Plan, remember your audience!**
- **Clarity and accuracy are essential!**

Incident/Unified Command Communications Pathway

COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625
FIRE	VTAC12	154.4525
LE	VTAC14	159.4725
AIR OPS	Air to Ground	170.000
EMS	VTAC13	158.7375

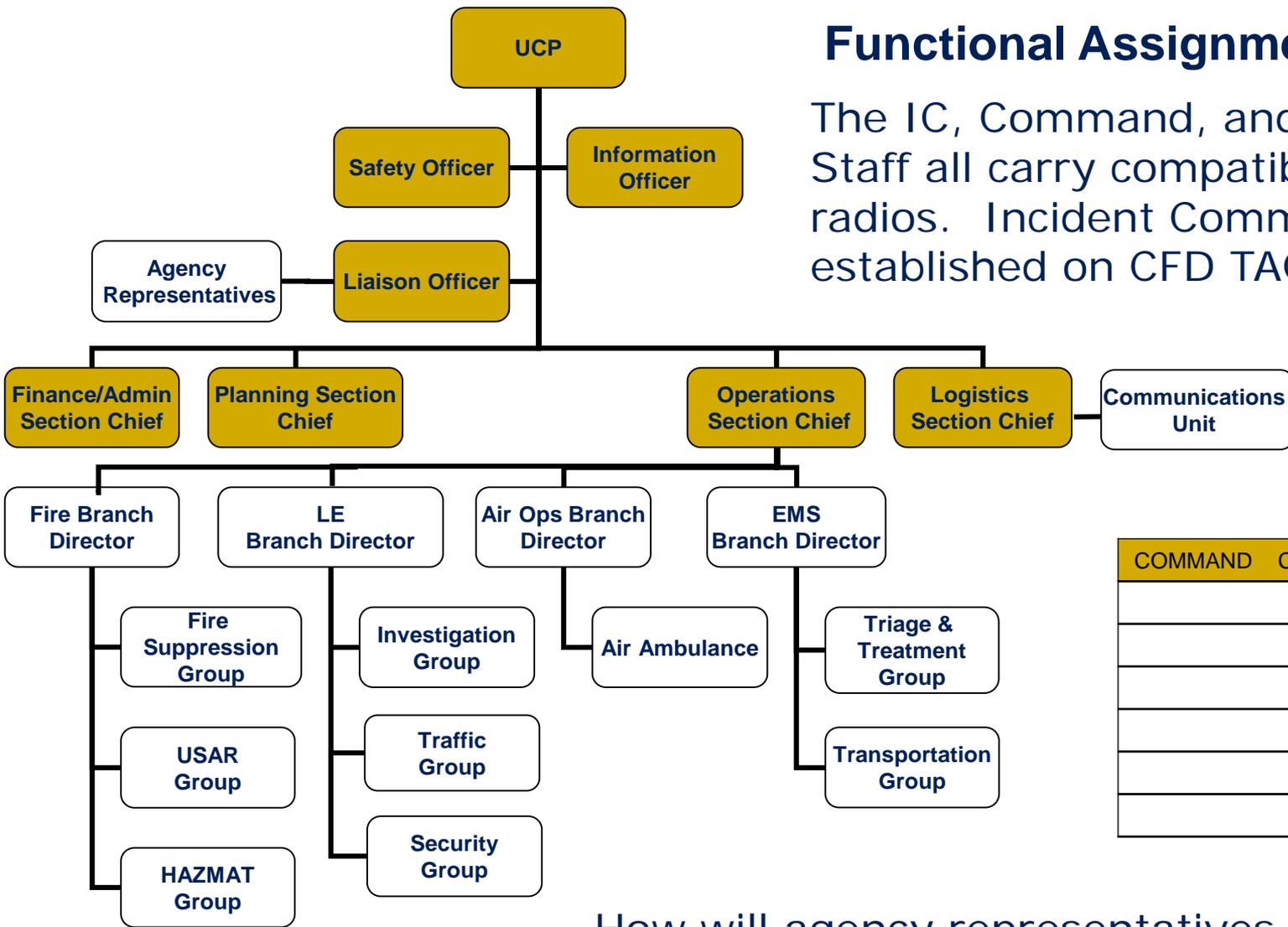
Functional Assignments

How are the Command, and General Staff going to communicate?



Functional Assignments

The IC, Command, and General Staff all carry compatible VHF radios. Incident Command will be established on CFD TAC1 (Duplex).

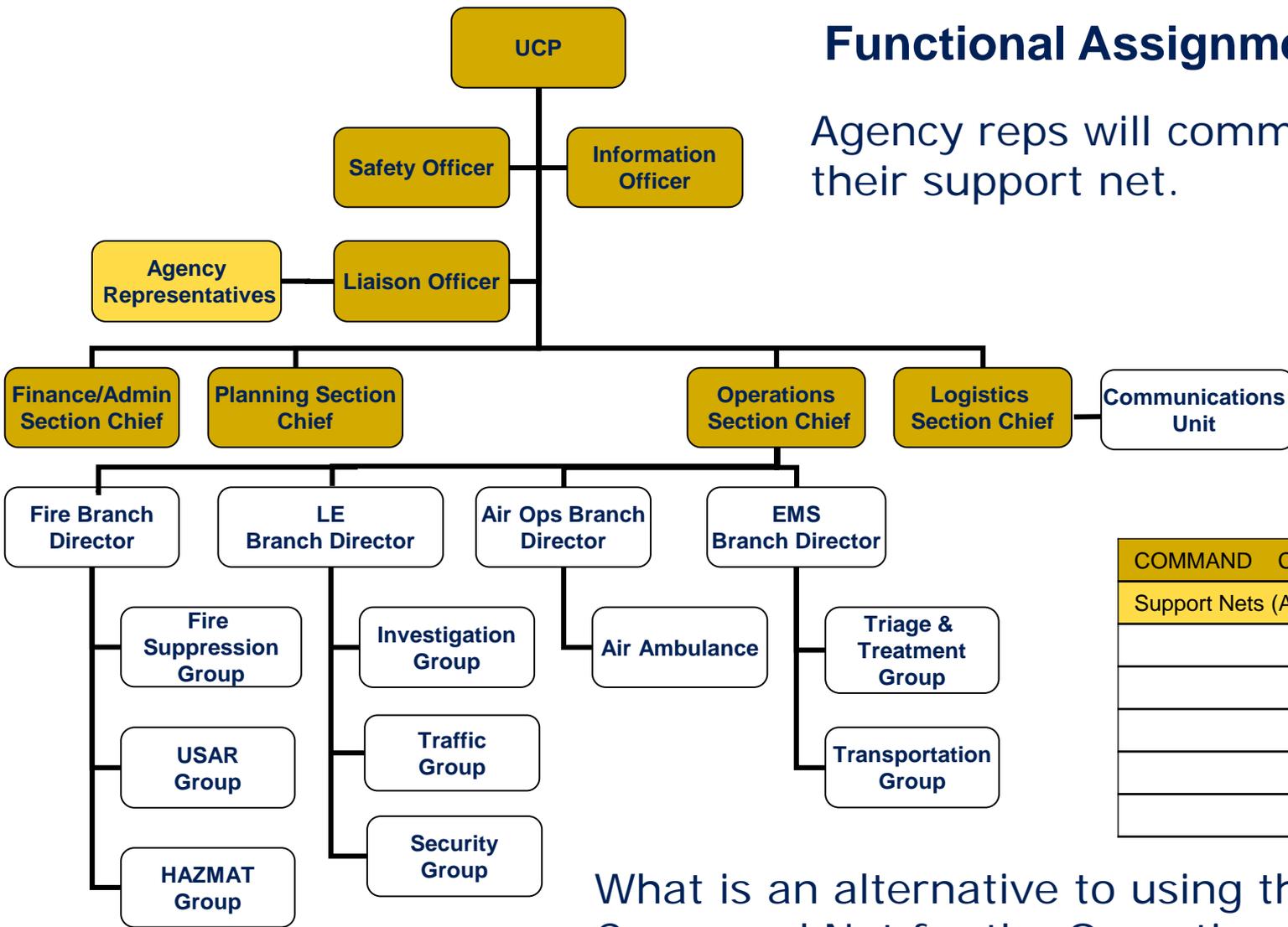


COMMAND	CFD TAC1 151.3550

How will agency representatives communicate with their agency?

Functional Assignments

Agency reps will communicate on their support net.

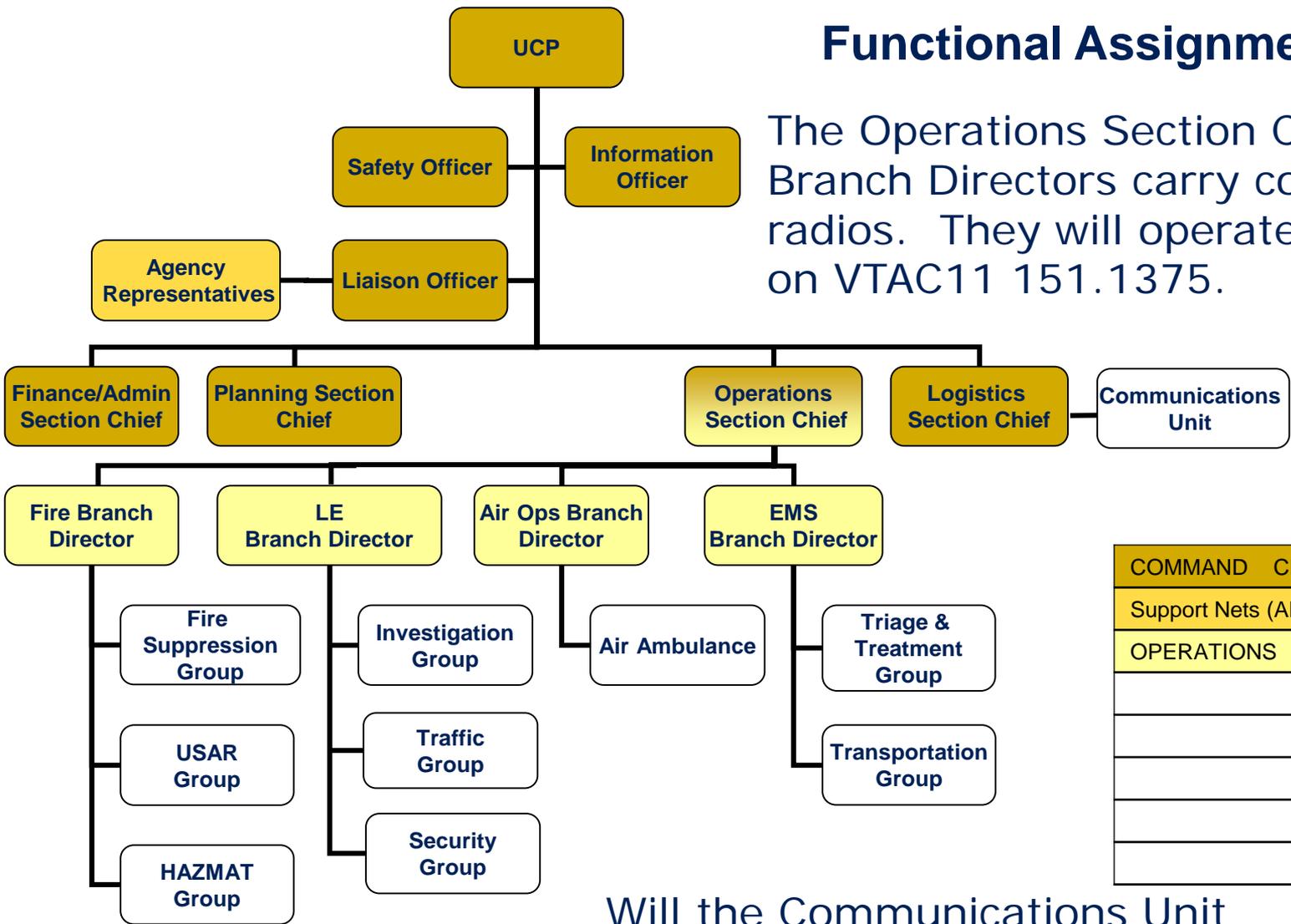


COMMAND	CFD TAC1 151.3550
Support Nets (AREPS) (Each Agency)	

What is an alternative to using the Command Net for the Operations Section?

Functional Assignments

The Operations Section Chief and Branch Directors carry compatible VHF radios. They will operate a tactical net on VTAC11 151.1375.

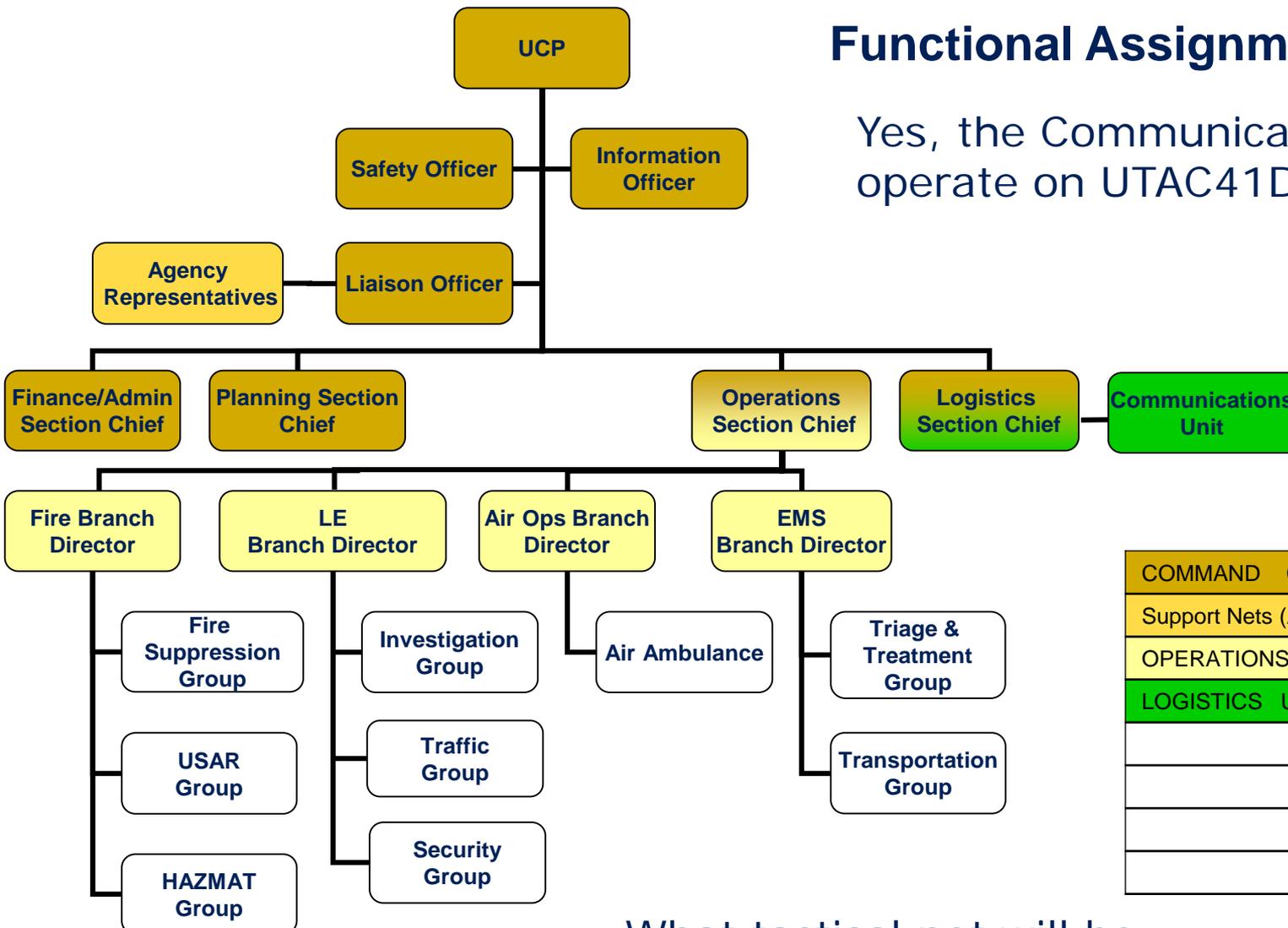


COMMAND	CFD TAC1 151.3550
Support Nets (AREPS) (Each Agency)	
OPERATIONS	VTAC11 151.1375

Will the Communications Unit need a logistics net?

Functional Assignments

Yes, the Communications Unit will operate on UTAC41D 453.4625

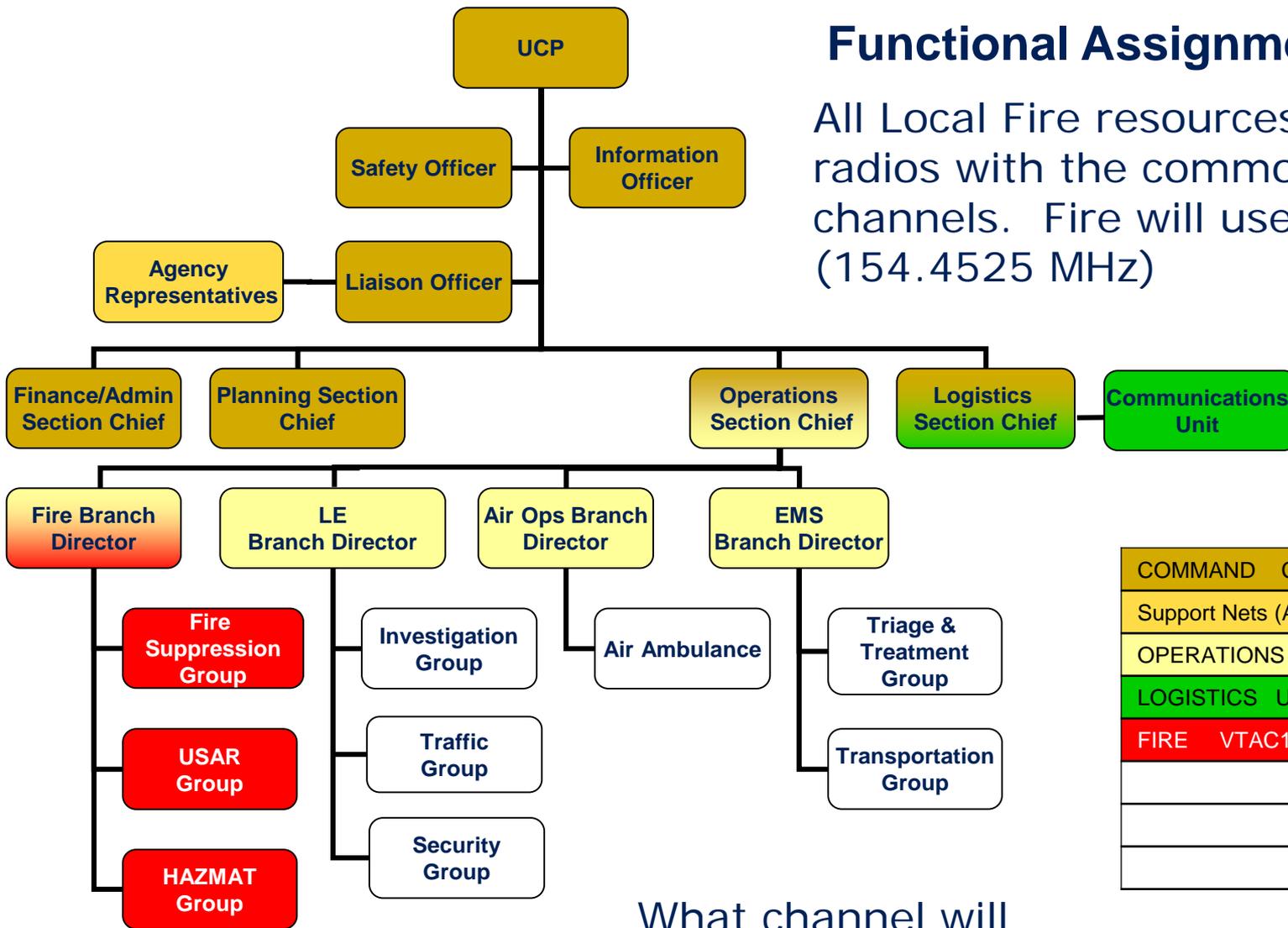


COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625

What tactical net will be assigned to the Fire Branch?

Functional Assignments

All Local Fire resources carry VHF radios with the common national channels. Fire will use VTAC12 (154.4525 MHz)

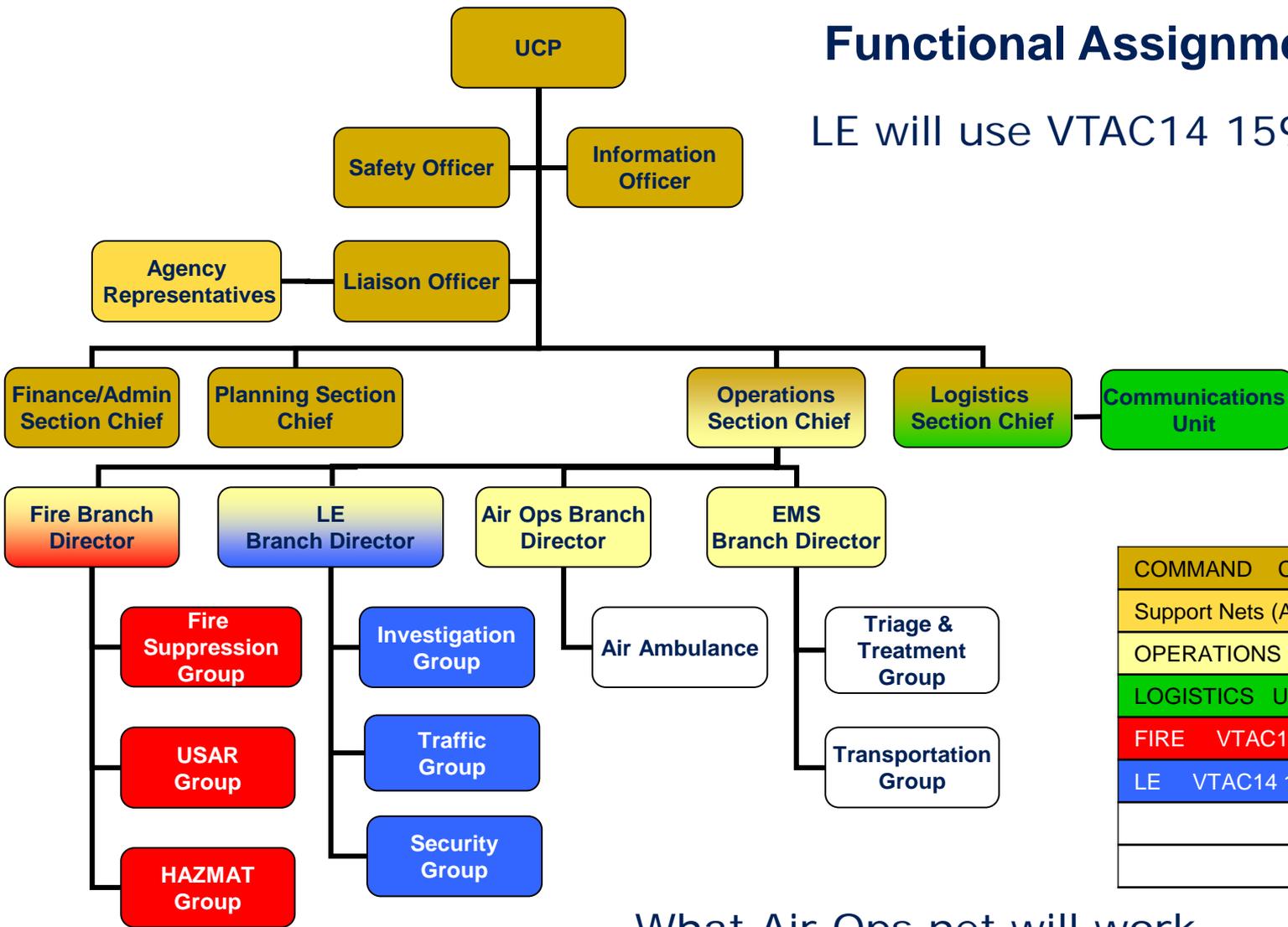


COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625
FIRE	VTAC12	154.4525

What channel will the LE Branch use?

Functional Assignments

LE will use VTAC14 159.4725.

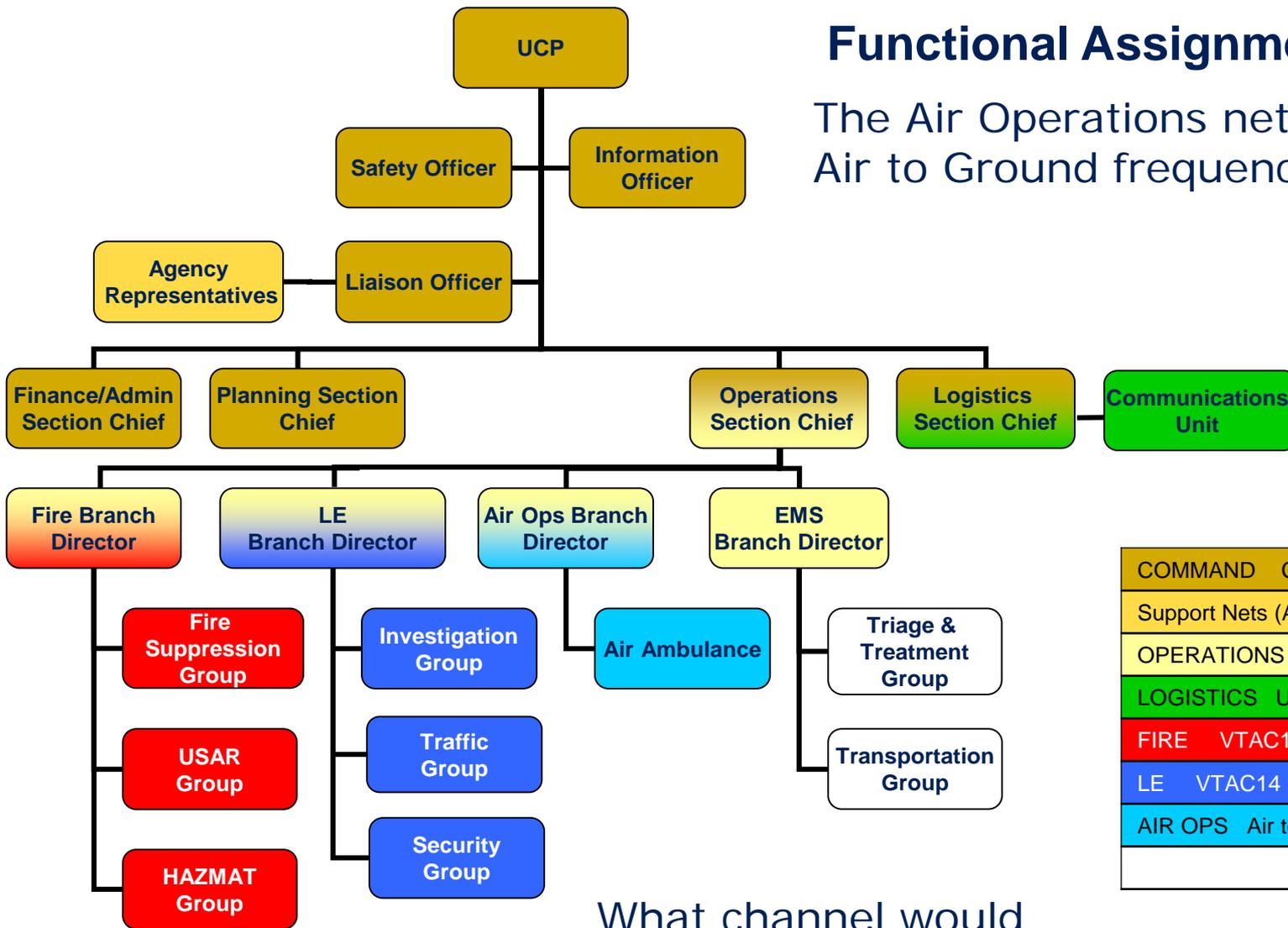


COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625
FIRE	VTAC12	154.4525
LE	VTAC14	159.4725

What Air Ops net will work for the Air Ambulance?

Functional Assignments

The Air Operations net will use the Air to Ground frequency 170.0000

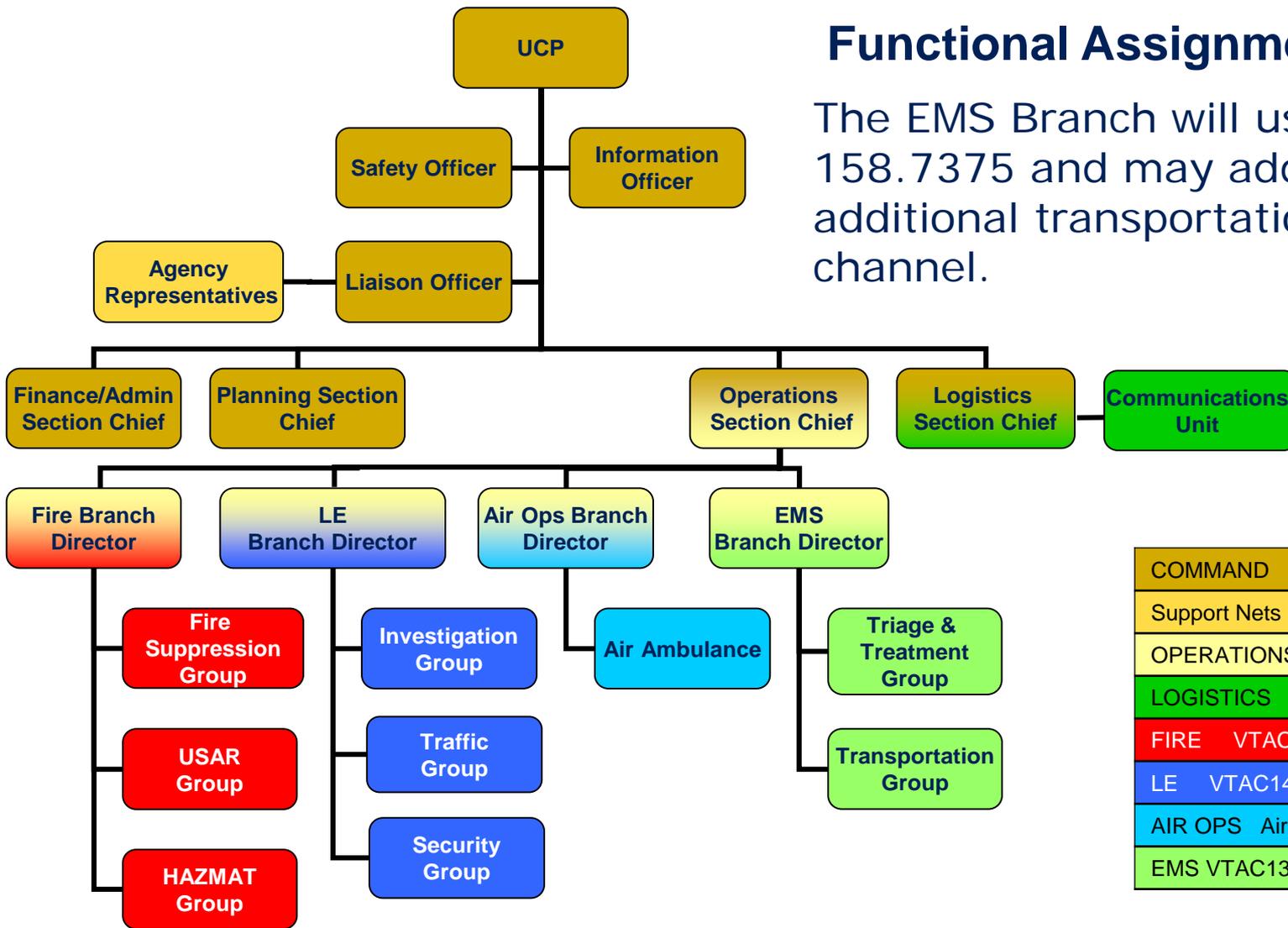


COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625
FIRE	VTAC12	154.4525
LE	VTAC14	159.4725
AIR OPS	Air to Ground	170.0000

What channel would the EMS Branch use?

Functional Assignments

The EMS Branch will use VTAC13 158.7375 and may add an additional transportation tactical channel.



COMMAND	CFD TAC1	151.3550
Support Nets (AREPS) (Each Agency)		
OPERATIONS	VTAC11	151.1375
LOGISTICS	UTAC41D	453.4625
FIRE	VTAC12	154.4525
LE	VTAC14	159.4725
AIR OPS	Air to Ground	170.0000
EMS	VTAC13	158.7375

Completion of ICS Form 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____		Date/Time: _____					

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____			Date/Time: _____				

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____			Date/Time: _____				

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE				2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:											
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks	
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND	
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming	
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations	
3	4	TACTICAL	VTAC14	LE	159.4725 N	CSQ	159.4725 N	156.7	A	Will need additional tactical channels for special operations	
5. Special Instructions:											
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____											
ICS 205			IAP Page _____			Date/Time: _____					

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations
3	4	TACTICAL	VTAC14	LE	159.4725 N	CSQ	159.4725 N	156.7	A	Will need additional tactical channels for special operations
3	5	AIR	AIR TO GROUND	AIR TO GROUND	170.0000 N	CSQ	170.0000 N	NONE	A	To support EMS operations
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____		Date/Time: _____					

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations
3	4	TACTICAL	VTAC14	LE	159.4725 N	CSQ	159.4725 N	156.7	A	Will need additional tactical channels for special operations
3	5	AIR	AIR TO GROUND	AIR TO GROUND	170.0000 N	CSQ	170.0000 N	NONE	A	To support EMS operations
3	6	TACTICAL	VTAC13	EMS	158.7375 N	CSQ	158.7375 N	156.7	A	Will need additional channel for transportation
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____		Date/Time: _____					

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-30

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE			2. Date/Time Prepared: Date: 09/06/2011 Time: 0737				3. Operational Period: Date From: 09/06/2011 Date To: 09/07/2011 Time From: 0700 Time To: 0700			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone /NAC	TX Freq N or W	TX Tone /NAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	AREPs - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations
3	4	TACTICAL	VTAC14	LE	159.4725 N	CSQ	159.4725 N	156.7	A	Will need additional tactical channels for special operations
3	5	AIR	AIR TO GROUND	AIR TO GROUND	170.0000 N	CSQ	170.0000 N	NONE	A	To support EMS operations
3	6	TACTICAL	VTAC13	EMS	158.7375 N	CSQ	158.7375 N	156.7	A	Will need additional channel for transportation
5. Special Instructions: Contact the Incident Communications Center (ICC) for additional tactical channels and communication support needs. COML will coordinate with the COMC for additional channels as needed. Advise the ICC of any communication issues.										
6. Prepared by (Communications Unit Leader): Name: <u>S. Moldune, COML</u> Signature: <u>S. Moldune</u>										
ICS 205			IAP Page _____		Date/Time: <u>09/06/2011 / 0737</u>					

Incident Radio Communications Plan Sensitive Info

- **Generally, IAPs become public information and radio programming information may become compromised through general distribution of the IAP beyond incident personnel.**

Incident Radio Communications Plan Sensitive Info (cont'd)

- **Department of Homeland Security (DHS) restricts the publication of detailed frequency and programming information regarding Urban Search & Rescue (USAR) and Disaster Medical Assistance Team (DMAT) channels to DHS -authorized personnel who have obtained the necessary clearances.**
- **Therefore, US&R and DMAT frequencies will not be published on an ICS 205, even if known to the COML.**
- **This same philosophy may apply to Bomb Squad, SWAT team, military teams, intelligence gathering, or other channels being used.**

Incident Radio Communications Plan Sensitive Info (cont'd)

Encryption

- Agencies using encrypted radios that are included in a Gateway connection need to be aware all their transmissions will be unencrypted on the connected clear channels



Sample Security Statement for ICS 217A/205

This document and other records, including data specifically associated with this document, relate to unique and specific vulnerability assessments and/or Deployment plans in the event of CRIMINAL TERRORISM and are protected by the 2002 Public Disclosure Act amendments, Section 42.17.310(1)(ww), and as such they must be treated as confidential.

Exercise 7

Planned Event Communications Plan

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio
Communications Plan

Visual 7-36

Objectives Review

- 1. Explain the purpose of ICS Form 205 – Incident Radio Communications Plan.***
- 2. What critical information is to be included in an ICS Form 205 – Incident Radio Communications Plan by completing Form 217A - Communications Resource Availability?***
- 3. What are the security requirements for ICS Forms 217A and 205?***
- 4. Describe the proper dissemination of the ICS Form 205 – Incident Radio Communications Plan.***

Questions?

Unit 7:

Develop and Disseminate the ICS Form 205 – Incident Radio
Communications Plan

Visual 7-38