
Unit 7: Develop and Disseminate the Incident Radio Communications Plan (ICS Form 205)

INSTRUCTOR GUIDE

Objectives

By the end of this unit, students will be able to:

- Create and publish a properly constructed Incident Radio Communications Plan (ICS Form 205) and a Communications Resource Availability (Form 217A)
- Explain the purpose of Incident Radio Communications Plan (ICS Form 205)
- Identify critical information to be included in an ICS Form Radio Communications Plan by completing the Communications Resource Availability (Form 217A)
- Identify security requirements for Communications Resource Availability (Form 217A) and Incident Radio Communications Plan (ICS Form 205)
- Describe the proper dissemination of the Incident Radio Communications Plan (ICS Form 205)

Methodology

This unit involves lecture, discussion based activities, and exercises.

Knowledge of unit content will be evaluated through administration of the final exam (to be administered upon completion of the course). Instructors will evaluate students' initial understanding through facilitation of Exercise 7.

The purpose of Exercise 7 is to complete an Incident Radio Communications Plan (ICS Form 205) to provide command and tactical channels for all resources. This exercise is scheduled to last approximately 45 minutes. The instructor will use a build slide to demonstrate how to complete a blank Incident Radio Communications Plan (ICS Form 205). Based on this information, the students will discuss the significance of the information received and what conclusions to draw as they create a 205.

The purpose of this unit is to provide the student with an understanding of the Communication Unit Leader's responsibility for the development, completion and publication of the Incident Radio Communications Plan (ICS Form 205) and how using the Communications Resource Availability (Form 217A) as a tool assists in creating the Incident Radio Communications Plan (ICS Form 205).

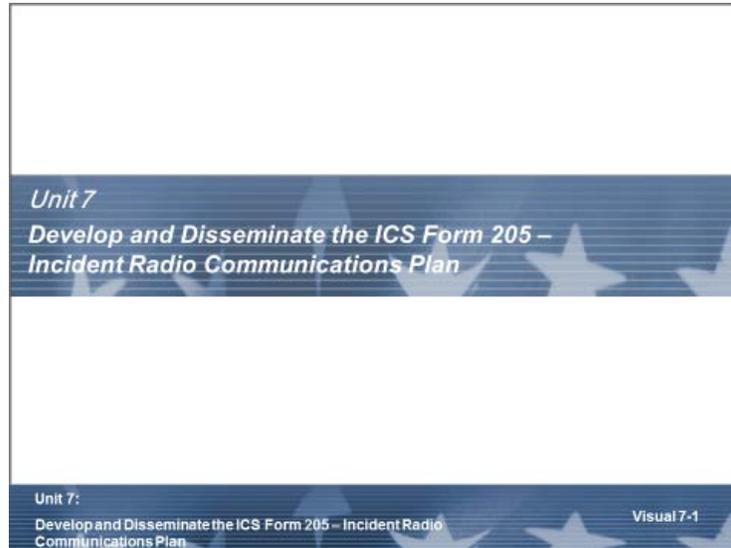
Time Plan

A suggested time plan for this unit is shown below. More or less time may be required, based on the experience level of the group.

Topic	Time
Lesson	1 hour
Exercise 7	45 minutes
Total Time	1 hours, 45 minutes

Reference Materials

- Projector & other equipment as necessary for PowerPoint presentation
- Easel pad
- Marking pens
- Dry erase pens
- Exercise 7: Planned Event Communications Plan
- Handout 7-1a: Incident Radio Communications Plan (ICS Form 205) (Blank)
- Handout 7-2a: Communications Resource Availability (Form 217A) (Blank)
- Handout 7-2b: Communications Resource Availability (Form 217A) (DHS)



Explain the Following Key Points

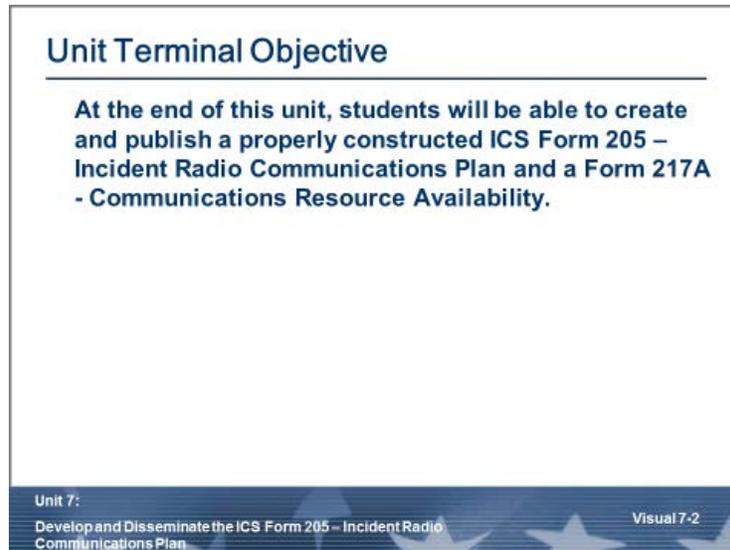
Introduce the unit and move quickly to the next slide.

This unit focuses on providing students the knowledge necessary to create and distribute the Incident Radio Communications Plan (ICS Form 205).

Scope Statement

This unit is designed to give the student the knowledge necessary to create and distribute the Incident Radio Communications Plan (ICS Form 205).

Topic Unit Terminal Objective



Explain the Following Key Points

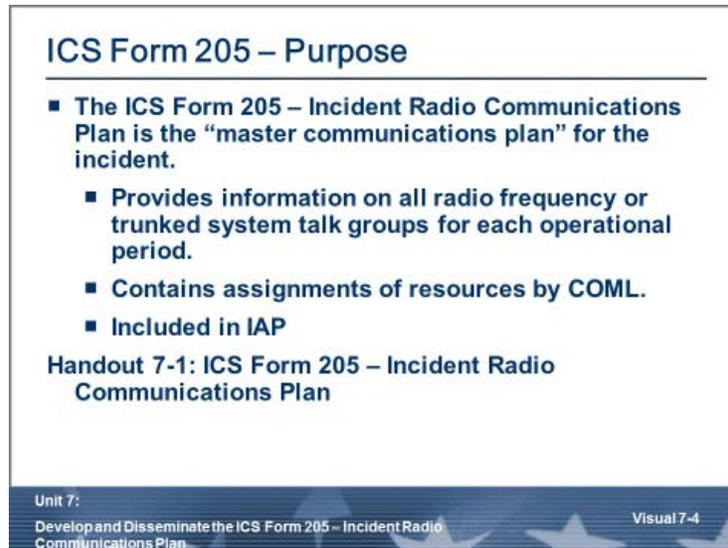
Introduce the Unit Objectives, and explain the Unit Terminal Objective to the class.

Unit Terminal Objective

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

Unit Enabling Objectives

- Explain the purpose of Incident Radio Communications Plan (ICS Form 205)
- Identify critical information to be included in an Incident Radio Communications Plan (ICS Form 205) by completing Communications Resource Availability (Form 217A)
- Identify security requirements for ICS Forms 217A and 205
- Describe the proper dissemination of the Incident Radio Communications Plan (ICS Form 205)



Explain the Following Key Points

Identify the purpose of the Incident Radio Communications Plan (ICS Form 205). Provide Handout 7-1: Incident Radio Communications Plan (ICS Form 205) (Blank) to students. There is an error on the ICS Form 204 in the student materials. This is intentional to reinforce the importance of checking this form.

The Incident Radio Communications Plan (ICS Form 205) is the listing of all frequencies and their relevant agency assignments for each operational period during the incident. The Radio Communications Plan includes technical data such as AM vs. FM, wideband vs. narrowband, or analog vs. digital.

The Incident Radio Communications Plan is a summary of information pulled from the Radio Requirements Worksheet (ICS Form 216) and the Radio Frequency Assignment Worksheet of the Communications Resource Availability (Form 217A).

The Incident Radio Communications Plan (ICS Form 205) is a part of the IAP, is completed by the Communications Unit Leader, and is primarily meant for incident operations.

Topic Incident Radio Communications Plan (ICS Form 205)—General Guidelines

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



Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-5

Explain the Following Key Points

Discuss the general guidelines for the content of the Incident Radio Communications Plan (ICS Form 205).

List only those networks that are currently being used for command and tactical purposes and are not unclassified. Secure and/or secret networks and radios, such as those used by many National Guard units, should not be placed on the official Incident Radio Communications Plan (ICS Form 205).

The Communications Unit Leader should keep a personal copy of the Incident Radio Communications Plan (ICS Form 205) that is inclusive of all the networks they have assigned.

The production of the ICS 205 is a critical element of the Communications Unit Leader's position responsibilities. Accuracy and clarity are essential. Have someone else check the Incident Radio Communications Plan (ICS Form 205) for accuracy!

Command radio networks that are unclassified should be included on the form.

Secure or secret networks such as those used by the National Guard should not be included on the official Incident Radio Communications Plan (ICS Form 205) included in the IAP.

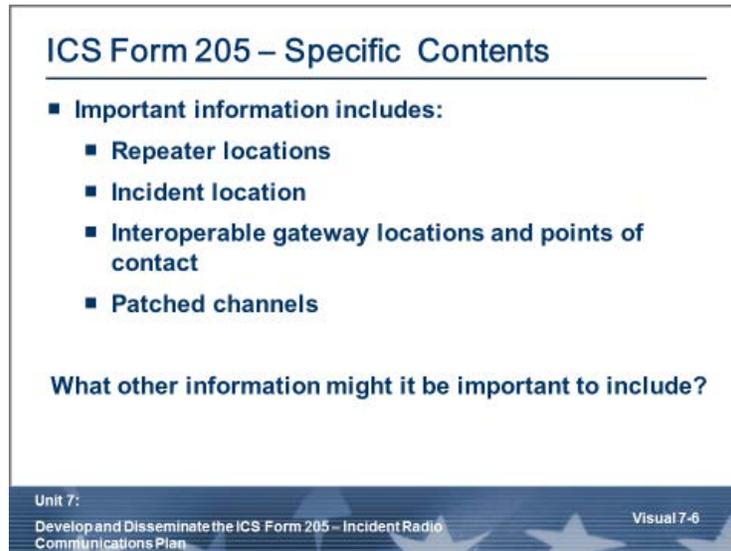
The Communications Unit Leader should have a personal, unpublished copy that is comprehensive.

Some Communications Unit Leaders place the tactical nets first on the Incident Radio Communications Plan (ICS Form 205), rather than the command net, so that

Operations Section personnel have easy access to the channels that they use most often.

There may be a requirement for more networks than you have channels available. The Communications Unit Leader should meet with the Operations Section to determine which frequencies might be shared.

Topic Incident Radio Communications Plan (ICS Form 205)—Specific Contents



Explain the Following Key Points

Identify the specific contents of an Incident Radio Communications Plan (ICS Form 205).

The Incident Radio Communications Plan (ICS Form 205) can contain a wealth of information, but its creation should not get bogged down with details.

Suggested Question

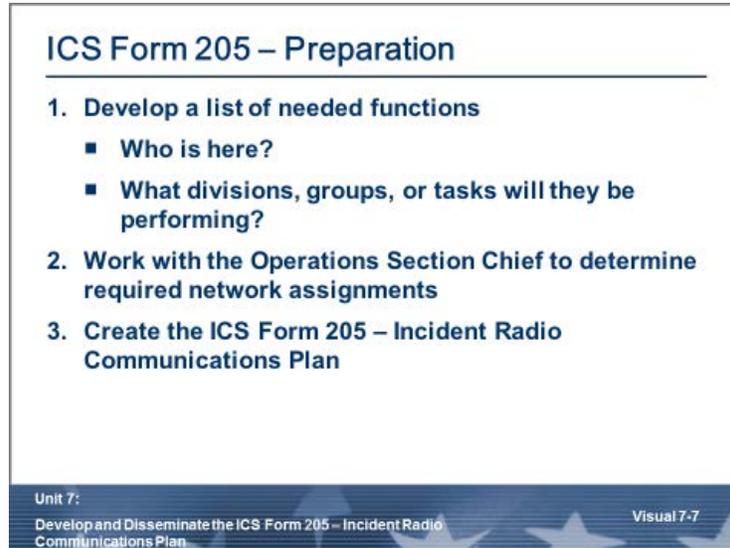
What information should the Incident Radio Communications Plan (ICS Form 205) include?

Answers

- Repeater locations
- Incident location
- Patched channels
- Command Repeater net operations
- Air operations—AM and FM
- Air-to-ground
- Air Guard
- Local permanent repeater nets
- Wideband/narrowband/analog/digital issues

- Use of tones/Network Access Codes (NAC)
- Other pertinent information
- National Interagency Fire Center (NIFC) Standard
- NIFC Cache radios generally have 14 or 16 channels in a group
- One group is set aside as the incident group and will be programmed to meet the incident needs with command and tactical nets

The Communications Unit Leader should determine the coordinate format and datum for the incident. Ensure standardization for the data. Example: Decimal format versus degrees, minutes, and seconds for latitude and longitude.



Explain the Following Key Points

Discuss the steps to preparing the Incident Radio Communications Plan (ICS Form 205).

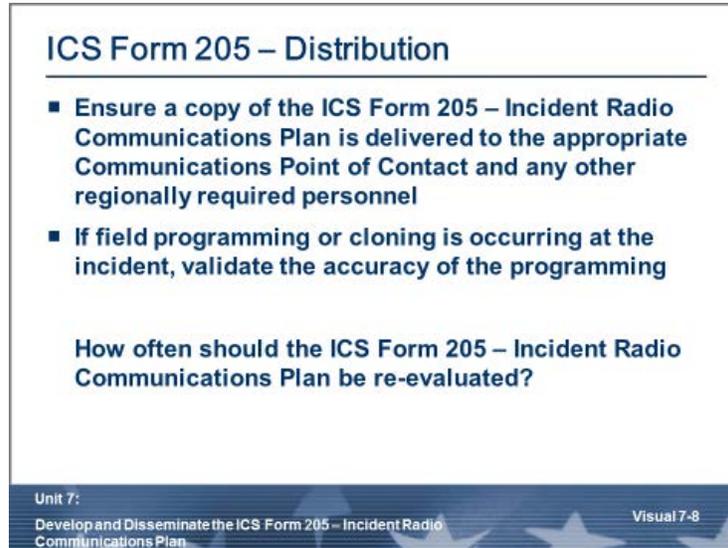
Constructing an Incident Radio Communications Plan (ICS Form 205) can be made easier by asking a series of questions:

- Who is here?
- Who is coming?
- When are they arriving?

Next, place the agencies into functional groups by asking the following:

- What is their assignment?
- Where are they doing it?
- When are they doing it?
- What equipment did they bring with them?

With this information, combined with a complete Communications Resource Availability Form (Form 217A), the Communications Unit Leader should have all the information required to complete an Incident Radio Communications Plan (ICS Form 205).



Explain the Following Key Points

Explain how to properly complete, distribute, and publish the Incident Radio Communications Plan (ICS Form 205).

The Communications Unit Leader prepares the Incident Radio Communications Plan (ICS Form 205) and delivers it to the Planning Section, where it is incorporated into the IAP. The Incident Radio Communications Plan is duplicated and given to all recipients of the IAP, including the Incident Communications Center (the creation of which will be addressed in another unit).

Communications Unit Leader should develop a master Incident Radio Communications Plan (ICS Form 205), identifying all frequencies used during the incident, including logistics frequencies and sensitive or confidential information.

Information from the plan is placed by the Planning Sections on Assignment List (ICS Form 204). Operationally, the Communications Unit Leader will usually fill in the Incident Radio Communications Plan (ICS Form 205) and obtain tentative approval. It is essential to then check the ICS Form 204 for accuracy, even though it is not your responsibility.

After completion of the Incident Radio Communications Plan (ICS Form 205), the Communications Unit Leader will deliver to the Planning Section and ensure a copy is delivered to the appropriate Communications Point of Contact and any other regionally required personnel.

Suggested Question

How often should the Incident Radio Communications Plan (ICS Form 205) be reviewed?

Answer

The 205 should be updated each operational period.

Suggested Question

Why is it so important to review the Incident Radio Communications Plan (ICS Form 205) at each operational period?

Answer

Communications needs may change from operational period to operational period.

Topic Communications Resource Availability (Form 217A)

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	SCALL00	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	
Simplex	SCALL00D	Any Public Safety	851.0125	W	156.7	851.0125	W	156.7	A	
Duplex	BTAC91	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	
Simplex	BTAC91D	Any Public Safety	851.0125	W	156.7	851.0125	W	156.7	A	
Duplex	BTAC92	Any Public Safety	852.0125	W	156.7	807.0125	W	156.7	A	
Simplex	BTAC92D	Any Public Safety	852.0125	W	156.7	852.0125	W	156.7	A	
Duplex	BTAC93	Any Public Safety	852.0125	W	156.7	807.0125	W	156.7	A	
Simplex	BTAC93D	Any Public Safety	852.0125	W	156.7	852.0125	W	156.7	A	
Duplex	BTAC94	Any Public Safety	853.0125	W	156.7	808.0125	W	156.7	A	
Simplex	BTAC94D	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

Explain the Following Key Points

Explain what a Communications Resource Availability (Form 217A) is.

Provide Handout 7-3: Form 217A - Communications Resource Availability (Blank).

This is a document, prepared prior to an incident with complete details of available channels/talkgroups in a given area. This document should include all public safety frequencies/talkgroups available (with established use agreements), regardless of agency, discipline or ownership, with the understanding that you may need permission to use them.

For some incidents, there may not be a Communications Resource Availability (Form 217A). Frequencies will then have to be collected from local sources.

Topic Communications Resource Availability (Form 217A) (cont'd)

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	UCALL400	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	UTAC410	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	UTAC420	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	UTAC430	Any Public Safety	453.8625	N	156.7	453.8625	N	156.7	A		

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

Visual 7-10

Explain the Following Key Points

Continue to explain the Communications Resource Availability (Form 217A).

Some people create a Form 217A for each band, others simply have one large 217A with all bands listed.

Topic Communications Resource Availability (Form 217A) (cont'd)

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	156.7375	N	156.7	156.7375	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	156.7375	N	136.5	154.4525	N	136.5	A	Tactical Repeater	
Duplex	VTAC35	Any Public Safety	159.4725	N	136.5	156.7375	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	156.7375	N	136.5	A	Tactical Repeater	
Duplex	VTAC38	Any Public Safety	156.7375	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.

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

Visual 7-11

Explain the Following Key Points

Continue to show what a Communications Resource Availability (Form 217A) is and how to complete one.

Topic Communications Resource Availability (Form 217A) (cont'd)

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 IE	Notes
Duplex	8CALL90	Any Public Safety	851.0125	W	156.7	806.0125	W	156.7	A	

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

Visual 7-12

Explain the Following Key Points

Continue to show what a Communications Resource Availability (Form 217A) is and how to complete one.

If there is one large Form 217A, it is a good practice to cluster the frequencies together, by band or by agency.

The Communications Resource Availability Worksheet is prepared by a Communications Coordinator or Communications Unit Leader in an administrative setting prior to an incident. During an incident, a Communications Unit Leader may use the tools of popular word processing or spreadsheet software, to “copy” a line from a completed Form 217A - Communications Resource Availability and “paste” the line directly to an Incident Radio Communications Plan (ICS Form 205). This minimizes the technical information regarding a channel or talkgroup from being copied incorrectly when completed by hand. In addition, the Form 217A - Communications Resource Availability provides a standardized template for the presentation of channels or talkgroups that might be considered for use by appropriate personnel during an incident.

Topic Communications Resource Availability (Form 217A) (cont'd)

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	158.7	808.0125	W	158.7	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	158.7	808.0125	W	158.7	A	

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

Visual 7-13

Explain the Following Key Points

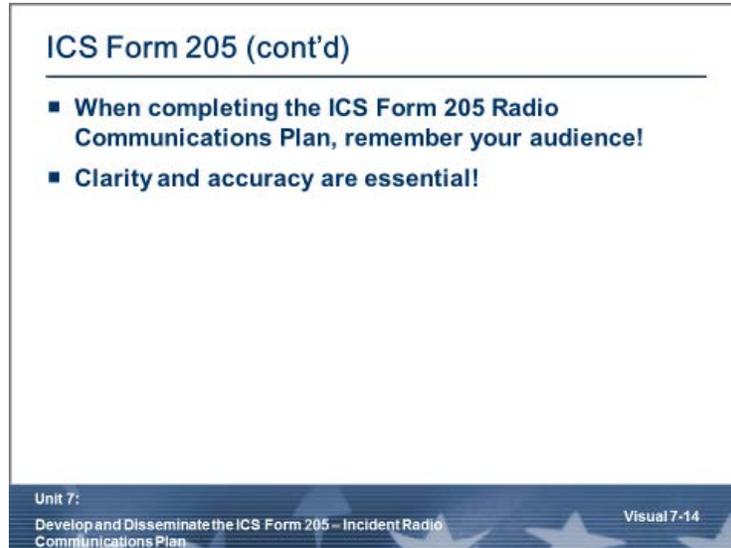
Continue showing what a Communications Resource Availability (Form 217A) is and how to complete one.

The beauty of the Form 217A is that the person preparing an ICS Form 205 can copy and paste the data.

On simplex channels the opportunity for errors is fairly low, but when using more complex channels such as P25 with NAC codes, etc. the chances for errors is increased significantly.

When building your Form 217A, ensure that the format matches your ICS Form 205.

Topic Incident Radio Communications Plan (ICS Form 205)

**Explain the Following Key Points**

Introduce the Incident Radio Communications Plan (ICS Form 205) and how to develop one.

When creating an Incident Radio Communications Plan (ICS Form 205), remember the users of this document are not technical; do not use technical jargon, unless it is essential. Keep it readable for the end user.

Make sure the ICS Form 205 is correct; have some other knowledgeable person review it before it gets published.

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

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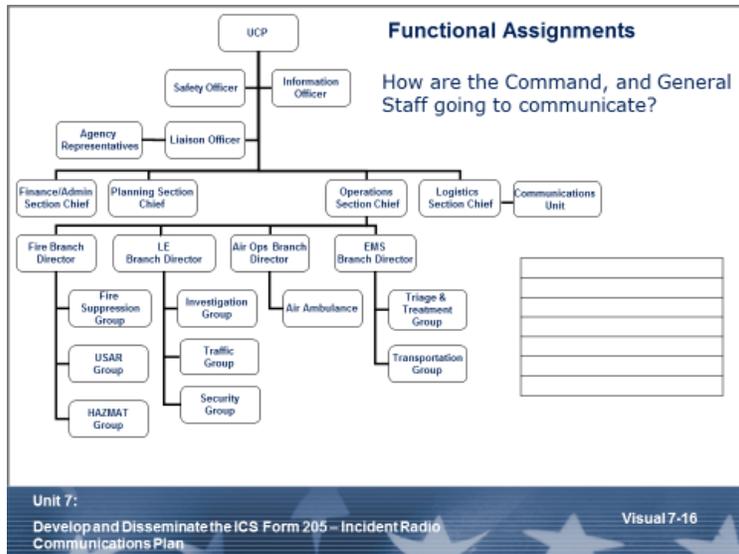
Visual 7-15

Explain the Following Key Points

Show an alternative way to display an ICS Form 205 for non-technical users.

Colors represent the various nets to be used; multicolored boxes indicate the need for two radios.

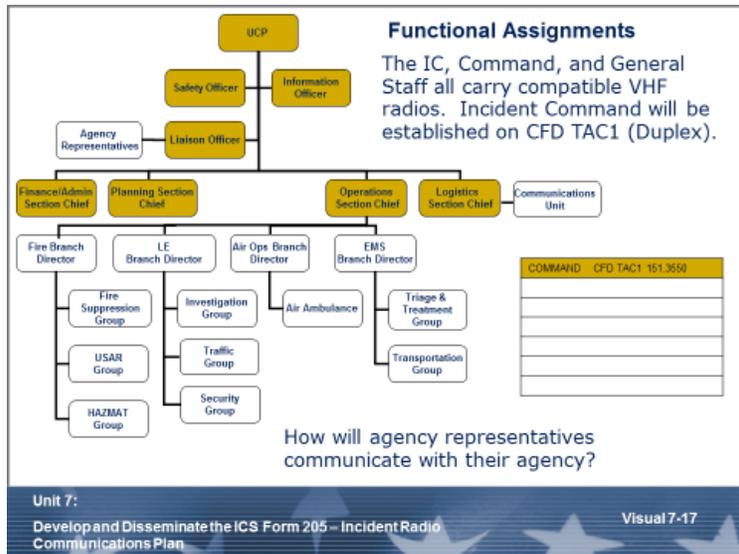
Topic Functional Assignments



Explain the Following Key Points

Demonstrate the Command and General Staff communications requirements.
This is an example of how it can be built.

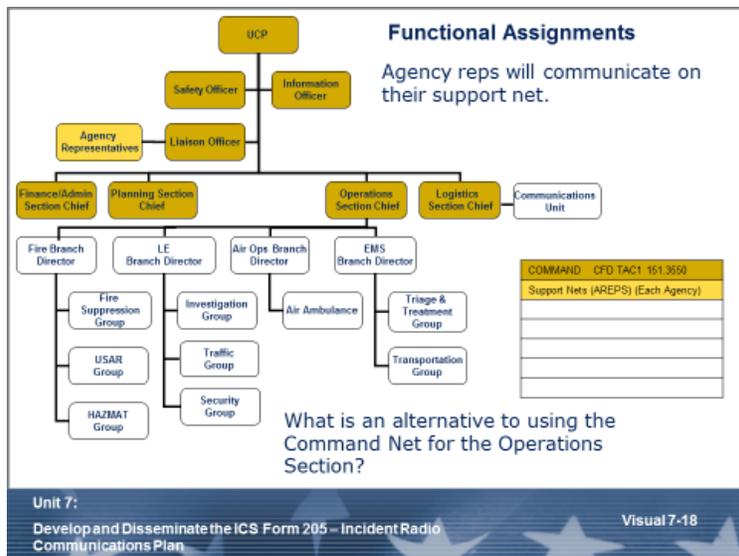
Topic Functional Assignments (cont.)



Explain the Following Key Points

Show a potential solution for the Command and General staff.

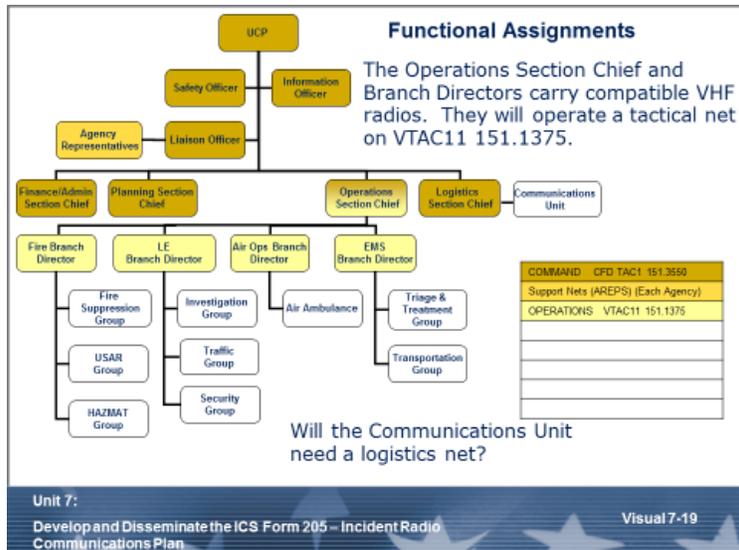
Topic Functional Assignments (cont'd)



Explain the Following Key Points

Show how support nets are used to provide coordination and support to different agencies.

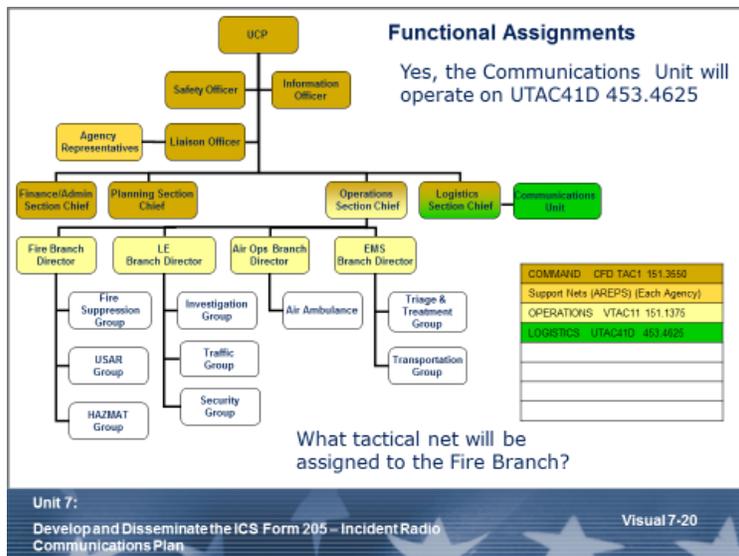
Topic Functional Assignments (cont'd)



Explain the Following Key Points

Continue to propose solutions to the Operations Section for Branch, Division, or Group Leader communications requirements.

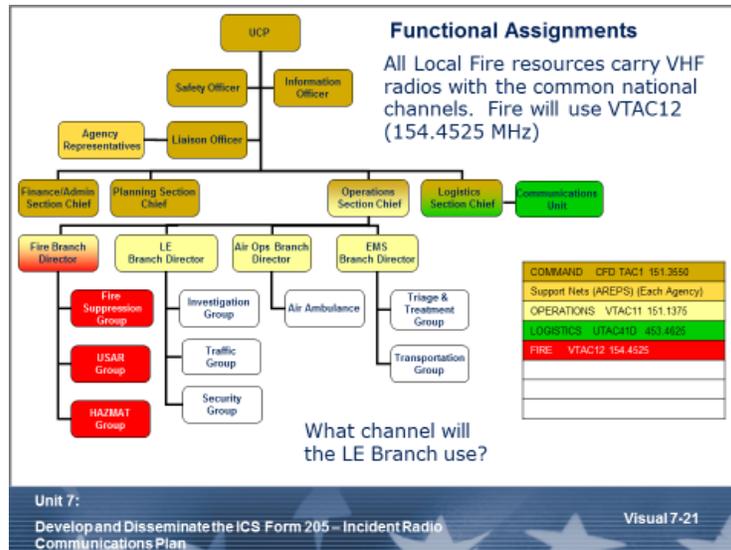
Topic Functional Assignments (cont'd)



Explain the Following Key Points

Identify the need for logistical channels for supply, facilities, communications, etc.

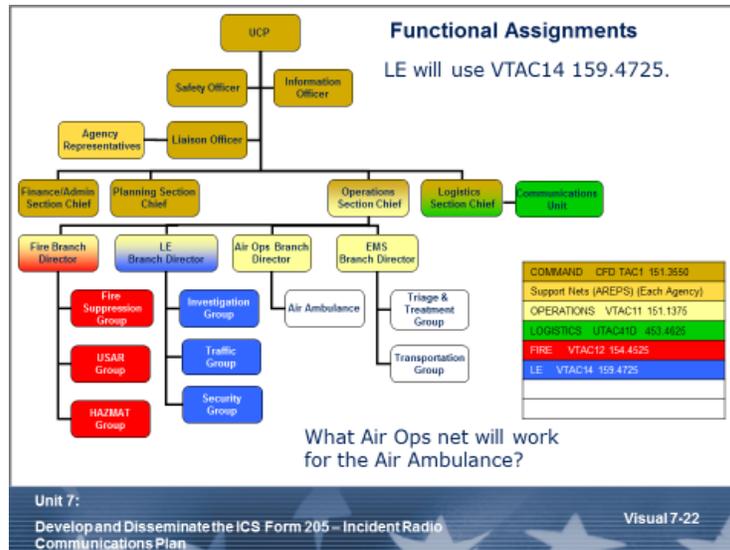
Topic Functional Assignments (cont'd)



Explain the Following Key Points

Show an example of the Operations Section communications requirements, where the Branch Director or Division/Group Supervisor communicates with the Operations Section Chief on the Tactical channel.

Topic Functional Assignments (cont'd)

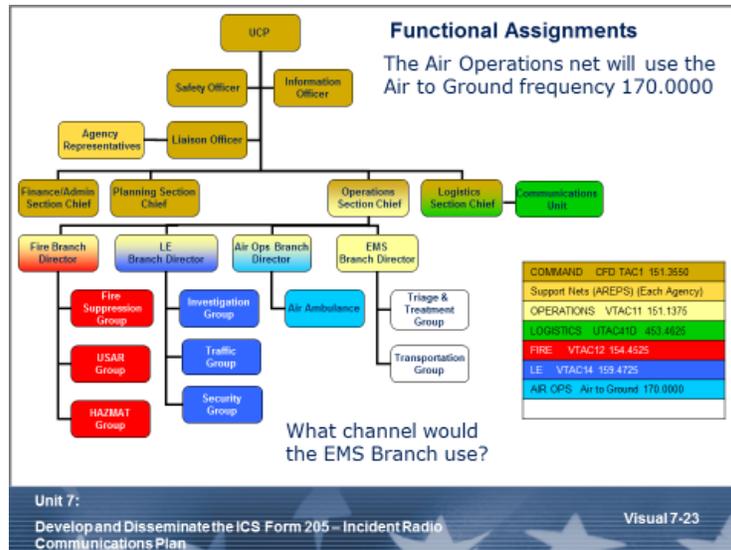


Explain the Following Key Points

Propose a solution to the Operations Section to Branch, Division, or Group Leader communications requirements.

The LE will use VTAC14, frequency 159.4725.

Topic Functional Assignments (cont'd)

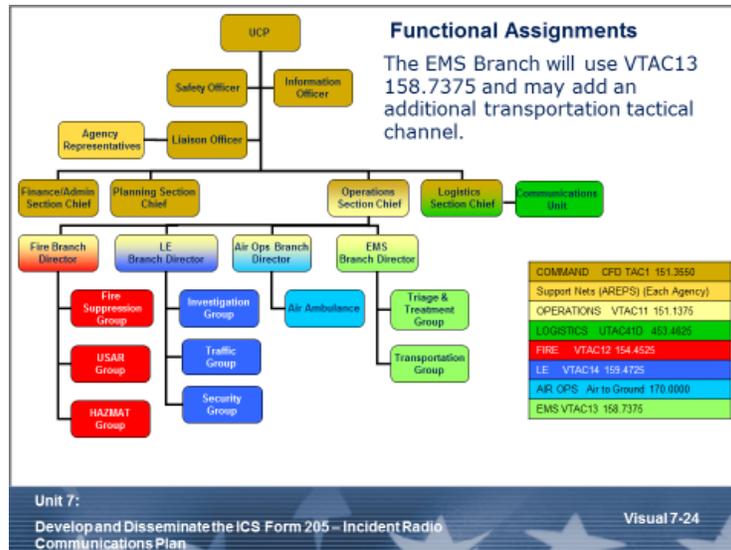


Explain the Following Key Points

Propose a solution to the Operations Section to Branch, Division, or Group Leader communications requirements.

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

Topic Functional Assignments (cont'd)



Explain the Following Key Points

Present an organization chart representing the material and examples previously given. The EMS Branch will use TAC13 and may add an additional transportation tactical channel.

Completion of ICS Form 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE		2. Date/Time Prepared: Date: 05/05/2011 Time: 02:37		3. Operational Period: Date From: 05/05/2011 Time From: 0700		Date To: 05/07/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone/Grp #	Chn #	Function	Channel Name/Trusted Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone N/A	TX Freq N or W	TX Tone N/A	Mode (A, D, or M)	Remarks
3	1	COMMAND	CFB TACT	COMMAND	152.3550 N	136.5	152.5550 N	136.5	A	UNPRED COMMAND
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name _____								Signature _____		
ICS 205		IMP Page _____		Date/Time _____						

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-25

Explain the Following Key Points

Introduce the Incident Radio Communications Plan (ICS Form 205) to demonstrate how to complete Sections 1–3 of the ICS Form 205 and how to complete Section 4 of the ICS Form 205.

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE		2. Date/Time Prepared: Date: 09/05/2011 Time: 0737		3. Operational Period: Date From: 09/06/2011 Time From: 0730		Date To: 09/07/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone/Grp	Ch #	Function	Channel Name/Tracked Radio System/Tagname	Assignment	RX Freq M or W	RX Tone RAC	TX Freq M or W	TX Tone RAC	Mode (A, D, or 1B)	Remarks
3	1	COMMAND	CPD-TACS	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTRAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	ARRIS - may need radio programming
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 7-26

Explain the Following Key Points

Continue to demonstrate how to complete Section 4 of the ICS Form 205.

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE		2. Date/Time Prepared: Date: 09/05/2011 Time: 0737		3. Operational Period: Date From: 09/06/2011 Time From: 0730		Date To: 09/07/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone/Grp	Ch #	Function	Channel Name/Tracked Radio System Tag/Group	Assignment	RX Freq M or W	RX Tone RAC	TX Freq M or W	TX Tone RAC	Mode (A, D, or 1B)	Remarks
3	1	COMMAND	CPD-TACS	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTACL1	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	ARRIS - may need radio programming
3	3	TACTICAL	VTACL2	RRR	154.4025 N	CAQ	154.4025 N	156.7	A	W/R need additional tactical channels for special operations
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 7-27

Explain the Following Key Points

Continue to demonstrate how to complete Section 4 of the ICS Form 205.

Completion of ICS Form 205 (cont'd)

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE		2. Date/Time Prepared: Date: 09/30/2011 Time: 0727		3. Operational Period: Date From: 09/30/2011 Time From: 0700		Date To: 09/30/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone Group	Ch. #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq R or W	RX Tone BAC	TX Freq R or W	TX Tone BAC	Mode (A, D, or M)	Remarks
3	1	COMMAND	OP TAC1	COMMAND	151.3550 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1175 N	CSQ	151.1175 N	156.7	A	ARIPs - May need radio programming
3	3	TACTICAL	VTAC12	RRR	154.4025 N	CAQ	154.4025 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: _____						

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-28

Explain the Following Key Points

Continue to demonstrate how to complete Section 4 of the ICS Form 205.

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 Time From: 0700 Date To: 09/07/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone (Ops)	Ch #	Function	Channel Name/Trunked Radio System/ Talkgroup	Assignment	RX Freq R or W	RX Tone /M/C	TX Freq R or W	TX Tone /M/C	Mod (A, D, or M)	Remarks
1	1	COMMAND	CRS TACT1	COMMAND	153.3050 N	236.5	159.5950 N	236.5	A	UNPRD COMMAND
3	2	TACTICAL	VTAC13	OPERATIONS	151.1375 N	C5Q	151.1375 N	156.7	A	ARRPs - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	C4G	154.4525 N	156.7	A	Will need additional tactical channels for special operations
3	4	TACTICAL	VTAC14	LE	159.4725 N	C5Q	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	C5Q	170.0000 N	NONE	A	To support EMS operations
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name _____ Signature _____										
ICS 205 <input type="checkbox"/> MAP Page _____ Date/Time _____										

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan
Visual 7-29

Explain the Following Key Points

Continue to demonstrate how to complete Section 4 of the ICS Form 205.

Topic Completion of ICS Form 205 (cont'd)

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 Time From: 0738 Date To: 09/07/2011 Time To: 0738				
4. Radio Channel Use:										
Zone/Grp	Ch #	Function	Channel Name/Trunked Radio System/ Talkgroup	Assignment	RX Freq M or W	RX Tone /NAC	TX Freq M or W	TX Tone /NAC	Mode (A, D, or III)	Remarks
3	1	COMMAND	CFD TAC1	COMMAND	151.3550 N	136.3	159.5950 N	136.5	A	UNIFIED COMMAND
3	2	TACTICAL	VTAC11	OPERATIONS	151.1375 N	CSQ	151.1375 N	156.7	A	ARPS - May need radio programming
3	3	TACTICAL	VTAC12	FIRE	154.4525 N	C4Q	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	5	AIR	AIR TO GROUND	AIR TO GROUND	170.0000 N	CSQ	170.0000 N	NDN9	A	To support EMS operations
5	6	TACTICAL	VTAC15	EMS	158.7975 N	CSQ	158.7975 N	156.7	A	Will need additional channel for transportation
5. Special Instructions:										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205		MAP Page		Date/Time						

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan
Visual 7-30

Explain the Following Key Points

Continue to demonstrate how to complete Section 4 of the ICS Form 205.

Topic Completion of ICS Form 205 (cont'd)

Completion of ICS Form 205 (cont'd)

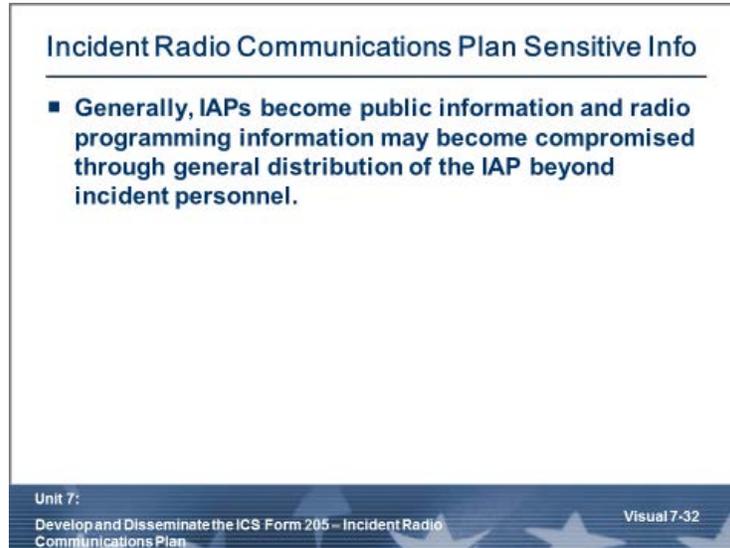
INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: COML COURSE		2. Date/Time Prepared: Date: 09/06/2011 Time: 0737		3. Operational Period: Date From: 09/06/2011 Time From: 0700		Date To: 09/07/2011 Time To: 0700				
4. Basic Radio Channel Use:										
Zone	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
1	1	COMMAND	CRD TAC1	COMMAND	151.3050 N	136.5	159.5950 N	136.5	A	UNIFIED COMMAND
1	2	TACTICAL	VTACL1	OPERATIONS	151.3375 N	CSQ	151.3375 N	156.7	A	AREPA - May need radio programming
1	3	TACTICAL	VTACL2	FIRE	154.4525 N	CAQ	154.4525 N	156.7	A	Will need additional tactical channels for special operations
1	4	TACTICAL	VTACL4	LE	159.4725 N	CSQ	159.4725 N	156.7	A	Will need additional tactical channels for special operations
1	5	AIR	AIR TO GROUND	AIR TO GROUND	170.0000 N	CSQ	170.0000 N	NONE	A	To support EMS operations
1	6	TACTICAL	VTACL3	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. McElaine, COML</u> Signature: <u>S. McElaine</u>								ICS 205 IAP Page: _____ Date/Time: 09/06/2011 / 0737		

Unit 7: Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan Visual 7-31

Explain the Following Key Points

Continue to demonstrate how to complete Section 5 of the ICS Form 205 and to demonstrate how to complete Section 6 of the ICS Form 205.



Explain the Following Key Points

Alert the Communications Unit Leader student to the issue of sensitive information and how to handle it.

Every operational period, copies of the old IAP end up in the garbage. The only way to protect radio traffic is to encrypt it. Obviously, encryption keys are never published. Some frequencies (USAR, DMAT) may not be published.

Most traffic will be heard outside of the incident. If you need secure communications, AES encryption is the tool.

Regardless of how tightly you keep ICS Forms 205 or 217A, don't consider any channel secure unless you are encrypted.

Suggested Discussions

- What are some reasons to maintain confidentiality of some frequencies or talkgroups?
- Do bomb robots use frequencies? What impact does this have on the selection of frequencies?
- What affect do Gateways have on encrypted radio transmissions?

Topic Incident Radio Communications Plan Sensitive Inform (cont'd)

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.**

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-33

Explain the Following Key Points

Present regulations on USAR & DMAT Frequencies.

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



Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-34

Explain the Following Key Points

Identify gateway vulnerabilities with encryption.

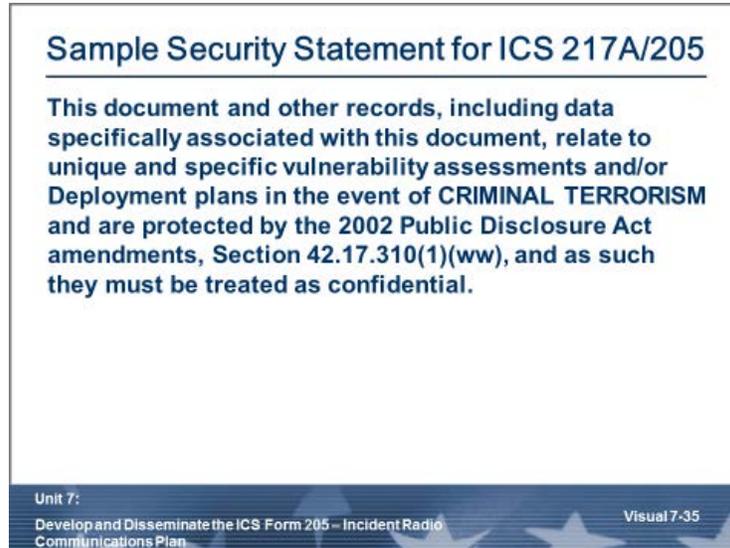
Encryption many times can be a hindrance to interoperability. All encryption is not equal.

Key management is critical to maintaining effectiveness and interoperability.

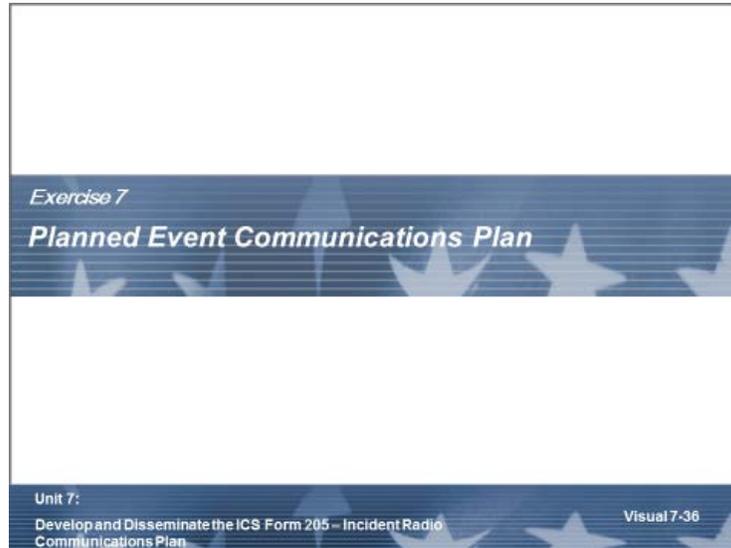
Key management will likely not be delegated to the Communications Unit Leader. It is important that the Communications Unit Leader identify and work with the system managers responsible for key management.

Topic

Sample Security Statement for ICS 217A/205

**Explain the Following Key Points**

Present an example of language for a Security Statement for some IAPs.

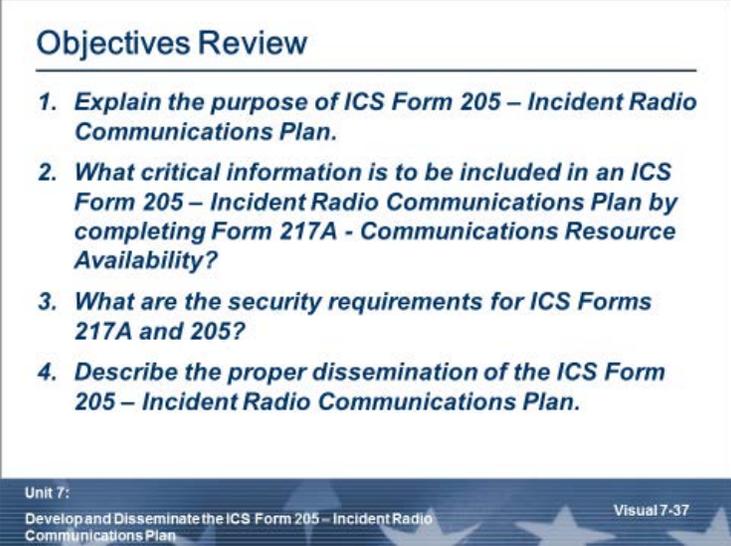


Explain the Following Key Points

Retrieve Exercise 7 from the Instructor Guide located in the Unit 7 exercise tab before proceeding

Refer to Exercise 7: Planned Event Communications Plan.

The purpose of Exercise 7 is to complete an Incident Radio Communications Plan (ICS Form 205) to provide command and tactical channels for all resources. This exercise is scheduled to last approximately 45 minutes. The instructor will use a build slide to demonstrate how to complete a blank Incident Radio Communications Plan (ICS Form 205). Based on this information, the students will discuss the significance of the information received and what conclusions to draw as they create a simple ICS Form 205.



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.*

Unit 7:
Develop and Disseminate the ICS Form 205 – Incident Radio Communications Plan

Visual 7-37

Explain the Following Key Points

Review the Enabling Objectives for this unit to ensure that the class has obtained the knowledge necessary to successfully meet the Unit Terminal Objective.

Pose the Unit Enabling Objectives as questions. Ask the group to give a brief example/short explanation to answer each question. Try to call on a different student for each objective.

This is not intended to be an inclusive discussion of all material covered in Unit 7, but rather a quick and engaging way to wrap up the unit, and reconnect the students to the material before moving on to Unit 8.

Ask the students to write down the top three to five things they learned in this unit on their ICS Form 214.

Leave the Objectives Review slide up so that students can think about what they learned in relation to the objectives.

At the end of the day, collect their ICS Form 214s. This will help identify what the students have learned and what areas may be especially important to highlight throughout the rest of the course.

This activity should be done at the end of each unit.

Unit Terminal Objectives

At the end of this unit, students will be able to create and publish a properly constructed ICS Form 205 Incident Radio Communications Plan. The student will also complete Communications Resource Availability (Form 217A).

Unit Enabling Objectives

- Explain the purpose of Incident Radio Communications Plan (ICS Form 205)
- Identify critical information to be included in an Incident Radio Communications Plan (ICS Form 205) by completing Communications Resource Availability (Form 217A)
- Identify security requirements for Form 217A and ICS Form 205
- Describe the proper dissemination of the Incident Radio Communications Plan (ICS Form 205)

Topic

Questions?



Explain the Following Key Points
