CCAR role and response to winter storm Nika Feb 4 – Feb 10 2014 in Chester County

Situation DAY 0

- Winter storm warning issued for Chester County for late Feb 4th & Feb 5th
- Freezing Rain and ice accumulation predicted across CC
- CC DES alerts CCAR at 1300 to prepare for activation of CCAR Operations Center at 2300 and staffing for 2 shelters if necessary.

CCAR Mission

- Staff & open CCAR OPS CNTR at 2300 FEB 4 2014
- Report WX conditions County EOC beginning at 2300 hrs. Feb 4
- Establish NBEMS Link with paNBEMS Net & advise WX conditions
- Prepare to staff 2 shelters with Radio Operators
  - Lionville Middle School
  - Avon Grove Intermediate School

ACTIONS DAY 0 2300

- CCAR OPS CNTR opened and staffed
  - Roster established to 2359 Feb 5
- WX conditions at 2300
  - WX conditions reported to EOC
  - 28^{o}F, No ice accumulation

CONDITIONS DAY 1 2/5

- 0100 NBEMS HF Link established with paNBEMS K3CC NCS
- 0130 WX Conditions reported to paNBEMS & EOC
  - 28°F
  - Freezing Rain
  - Ice on all exterior surfaces <1/16 inch
- 0200 WX update to paNBEMS & EOC
  - 30°F
  - Barometer 30.16
  - Freezing Rain
  - Ice >1/16 with icicle formation

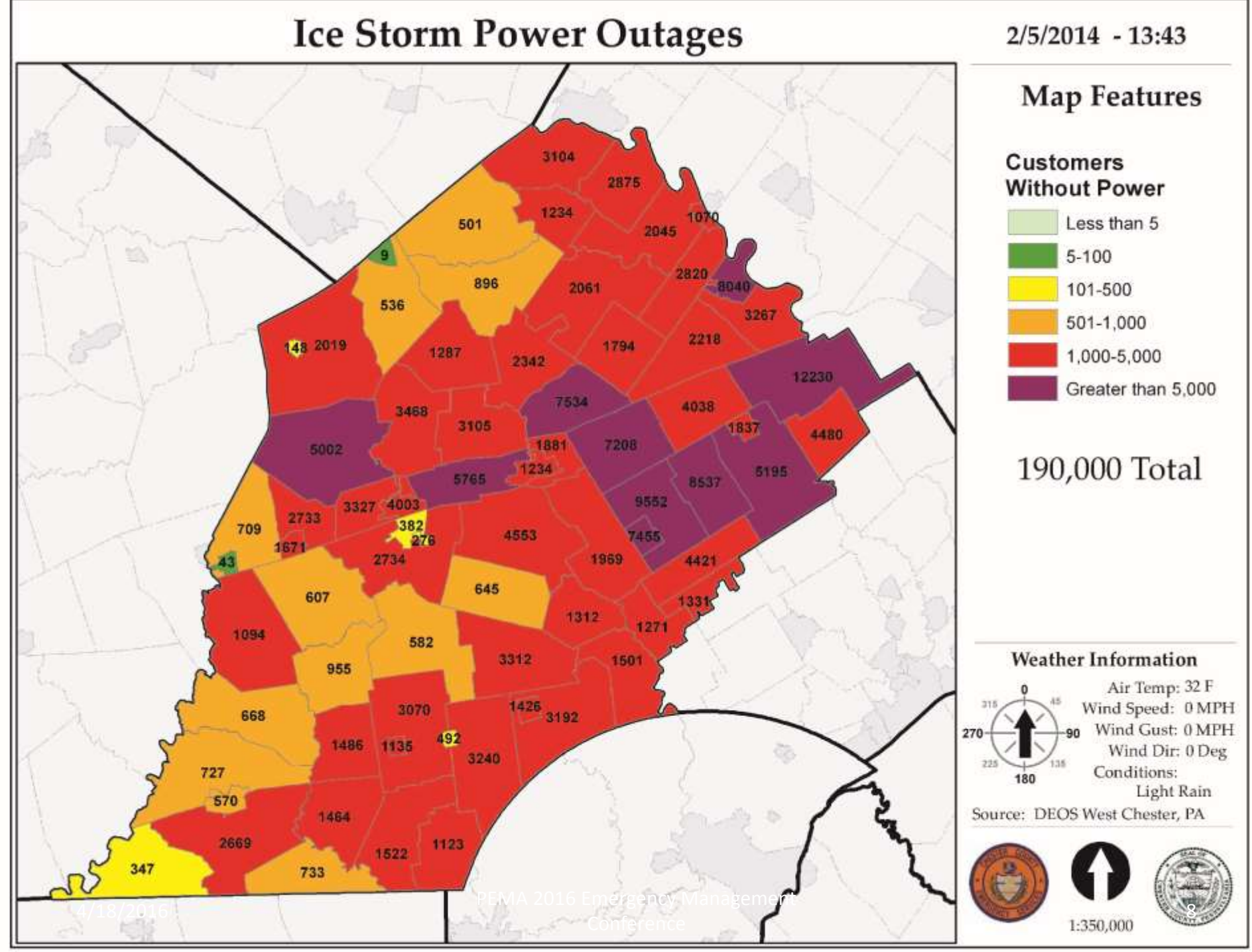
CONDITIONS DAY 1

- 0300 WX Conditions reported to paNBEMS & EOC
  - 30°F
  - Barometer 30.16
  - Freezing Rain
  - Ice on tree branches >1/8”
- 0300 NBEMS operations switched from paNBEMS to KB3NIA at PEMA STATE EOC

- 0400-0600 WX Conditions reported to PEMA State EOC
  - 28°F
  - Freezing Rain
  - Ice on all exterior surfaces between >1/8 <1/2

CONDITIONS DAY 1

- 0310 PA Turnpike Issues Speed Restrictions
- 0315 County Communications Towers begin to switch to generator power
  - Road closures begin to be reported
- 0430 Schools go on 2 hr. delayed start
- 0530 Municipal EOC begin to open
- 0600 Phone outage-CCAR requested to dispatch radio operator to Cochranville PA for 911 call taker service
- 0615 Power outage: 59,000 customers
- 0700 Power outage: 106000 customers
- 0730 School delay becomes closure


Ice Storm Power Outages
2/5/2014 - 13:43
Map Features
Customers Without Power
Less than 5
5-100
101-500
501-1,000
1,000-5,000
Greater than 5,000
190,000 Total
Weather Information
Air Temp: 32 F
Wind Speed: 0 MPH
Wind Gust: 0 MPH
Wind Dir: 0 Deg
Conditions: Light Rain
Source: DEOS West Chester, PA
1:350,000
3104
2875
501
1234
1070
2045
9
896
2061
2820
8040
536
3267
148
2019
1287
2342
1794
2218
12230
7534
4038
3468
3105
1837
4480
5002
1881
7208
5765
1234
8537
5195
9552
3327
4003
2733
382
709
276
4553
7455
1671
2734
1969
4421
43
645
607
1331
1312
1271
1094
582
3312
1501
955
668
3070
1426
3192
1486
1135
492
3240
727
570
1464
2669
1522
1123
347
733

CONDITIONS DAY 1 (cont'd)

- 0721 W3AHR operational at Cochranville FS as 911 call-taker
- 0820 WX report sent to PEMA and advised of CCAR operation status.
- 0905 Fire call from Cochranville reported to 911 shift supervisor.
- 0900 CCAR requested to provide communications support from:
  - Lionville Middle school Avondale High School
- 0930 R.O's dispatched to 2 Shelter locations
  - CCAR staffing roster being worked
  - Difficult to find RO's in county not impacted by the storm to fill roster
  - Request Radio Operators from outside Chester County
- 1000-CCAR communications operational at shelters
  - Voice and NBEMS through 440 FM repeater network
- 1030 County GSC building including CCAR OPS Center on Standby Power
- 1100 Fire call from W3AHR in Cochranville reported to 911 shift supervisor.
- 1150 Accident report W3AHR in Cochranville reported to 911 shift supervisor.

CONDITIONS DAY 1 (cont'd)

- 1607 Avon Grove Shelter relocated to Middle school.
- 1610 Lionville shelter reports receiving 26 evacuees by bus
- 1630 Avon Grove shelter relocation complete
  - CCAR communications operational
- 1630 DES advises that the state will open Mega Shelter at WCU and requires communications support
- 1715 CCAR requested to provide communications for Warming Center at Pope Paul School, West Brandywine.

CONDITIONS DAY 2 2/6

- 9 County Tower sites on Emergency Power
- Mega Shelter operational
- Hourly shelter census reports sent via NBEMS & delivered to Red Cross Liaison at county EOC

CONDITIONS DAY 3 -7

- CCAR OPS Center staffed 24 hrs.' per day for 7 days
- Shelter(s) Staffed 24 hrs. for duration of the event with radio operators
  - Provide critical communication to EOC while land lines and cell communications not functional
  - Report hourly client census
  - Relay unmet needs to County EOC

Summary of Key Issues

- 190,000 PECO customers without Power (88%)
- 10,000 customers w/o power after 7 days
- 10 County tower sites on generator Power
- 740 Roads closed
- 20 municipal declarations of disaster
- 3 mass care centers and a number of warming centers
- 80 Critical infrastructure sites without power
- 34 Situation Reports issued

Summary of CCAR Activity

- 35 Operators Amateur Radio operators participated (26 from CCAR + 8 outside of Chester county)
- 528 Man hours expended
- Staffed 3 Shelters, CCAR OPS Center, Fire Station
  - Lionville Shelter Feb 5 1200-Feb 6 1200
  - Avon Grove Shelter Feb 5 1200-Feb 6 1200
  - West Chester University Feb 6 0001-Feb 10 1800
- Staffed CCAR OPS Center Feb 4 2300-Feb 10 1800
  - 12 ICS 213 Messages
  - 267 Shelter Census Reports
- 911 Call-taker duty at Cochranville FS Feb 5 0600-1800
  - 2 Fire Calls
  - 1 Accident Report

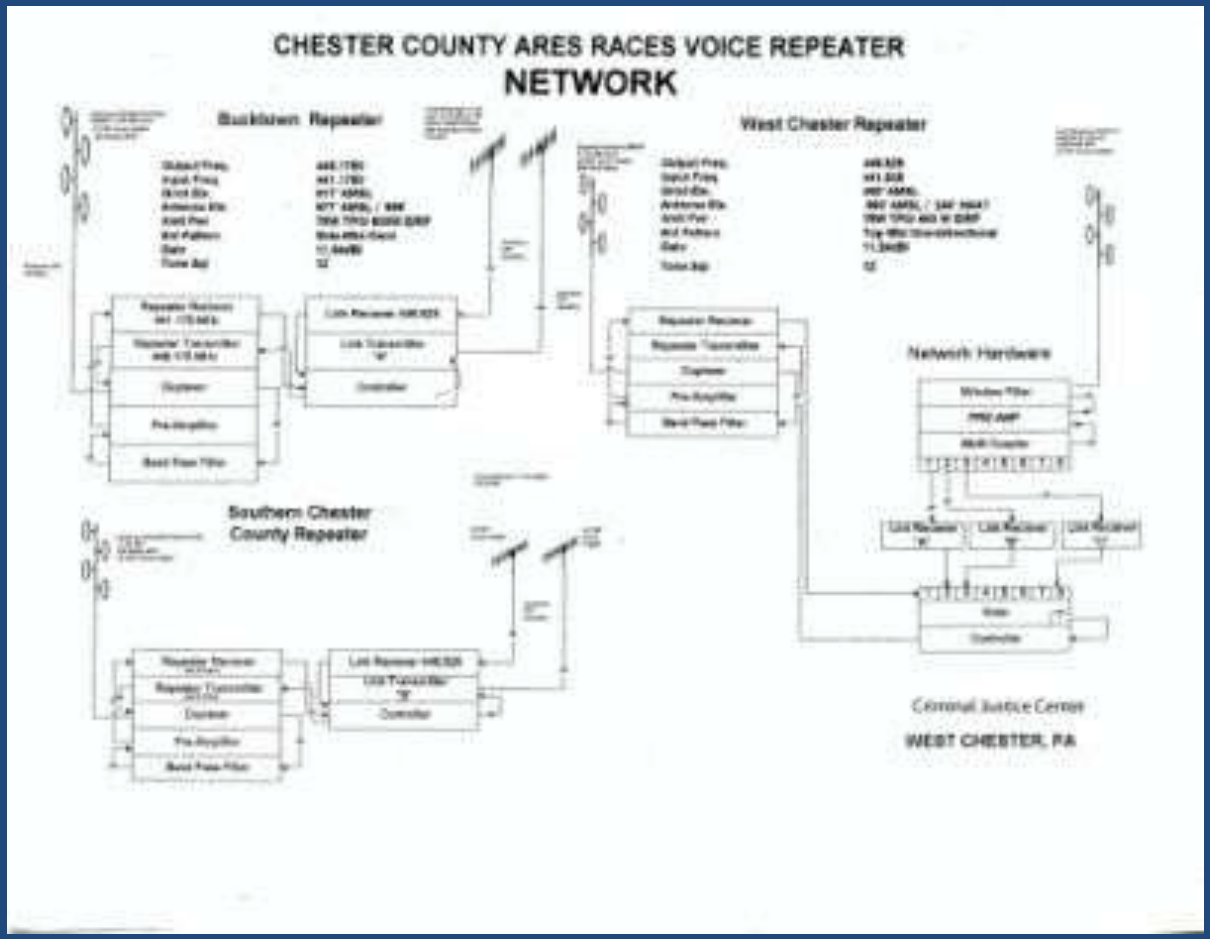
What Worked Well

- Having a written mission statement keeps CCAR focused on our function
  - Members have clear understanding of what we do and who we support.
  - Our served agency, Chester County DES, knows our capabilities
- Weekly voice and NBEMS nets had members prepared
- Hardened RF networked Repeater system never went down
  - Maintained communications to all locations in the county
  - NBEMS ideal for census reports and ICS 213 messages
- 2 man teams functioned well
  - Technical support
  - Partner helps relieve boredom
- Prior Deployment for 911 call-taker duty over 6 years made it easy to respond and perform during the disaster

CCAR Mission

- Provide emergency communications for Chester County DES from any location within Chester County to locations designated by CCDES.
- Registered FCC-licensed amateur radio operators provide 2-way voice and digital communications on a volunteer basis.
- It is the responsibility of members to prepare themselves and equipment to provide reliable communications within 2 hours of activation and be self-sustaining at field assignments for periods up to 72 hrs.

CCAR Repeater Structure



Lessons Learned

- When a disaster happens in your locale **everyone** including your responders are impacted.
  - Responders need to provide for family first
  - Protect his/her property
- Filling a roster with 2 man 6 hr. shifts becomes a challenge after 72 hrs.
  - Within 10 hrs. of the event we knew we would need outside support
- Each ARES/RACES/ACS organization needs to rely on close by neighbors for mutual aide
  - Works best if pre planned

Support from surrounding area

W3BIG	Bob Wilson	Delaware County
K3MOT	Steve Serencko	New Castle County
KB3YGA	Lee Pedrick	New Castle County
WB3CVN	Ted Allen	New Castle County
K3YTR	Ed Pennington	Berks County
KC3ABY	Dave Garber	Delaware County
K7VSW	Vern Webb	Kent County
N3XGT	Phil Wheeler	Berks County

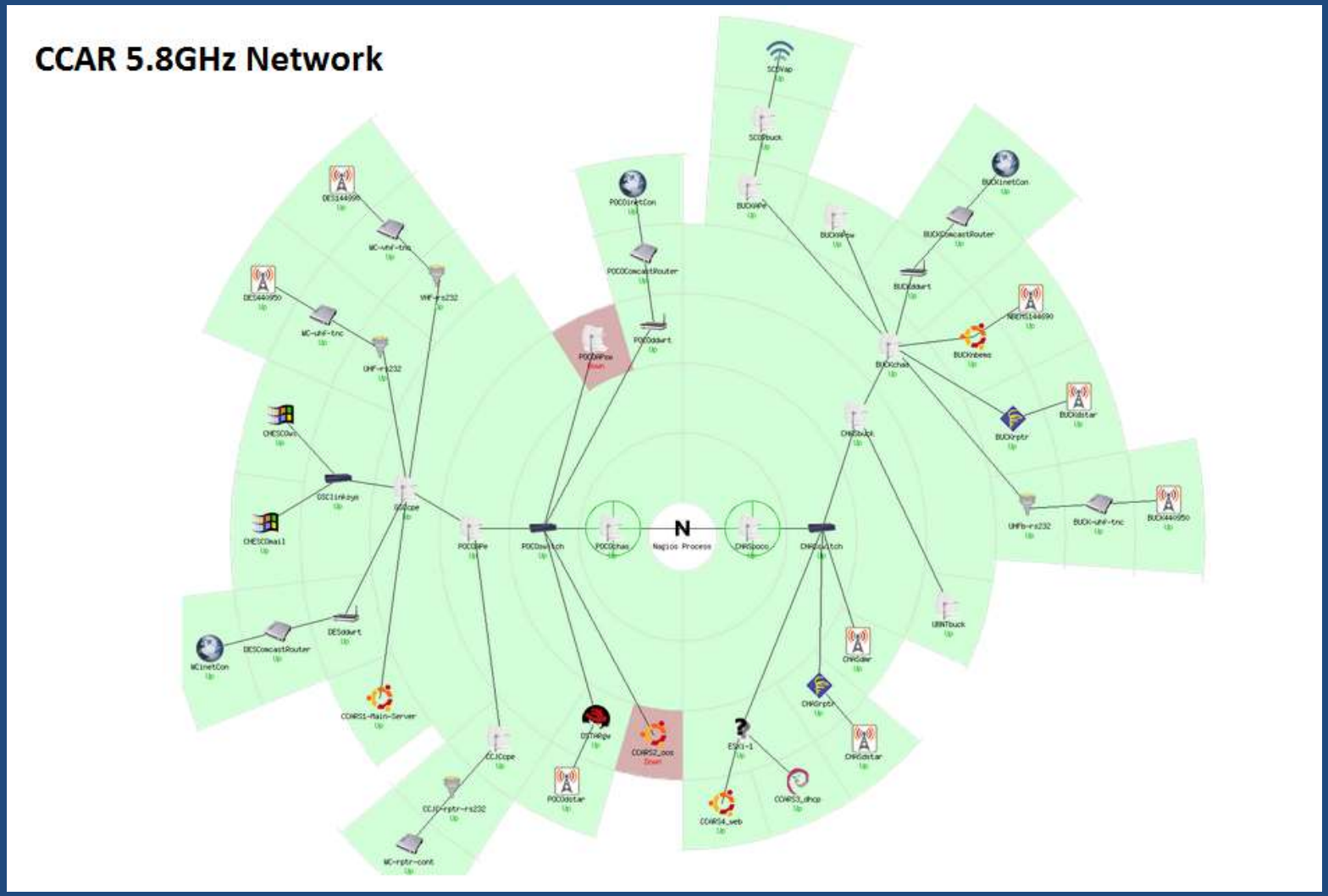
Lessons Learned

- The event re-enforced the value of having a well designed, hardened FM voice repeater network that is independent of the internet.
  - Never rely on internet based networking to support basic communications functions.
- Work constantly at improving communications capability especially digital communications
  - Served agencies rely heavily on email and the internet including social network media to communicate (Knowledge Center, Everbridge)
  - ACS/ARES/RACES groups need to expand digital communications capability.
  - NBEMS works well to handle most text messages including email using FLAMP and the 8PSK modes over well designed FM analog channels

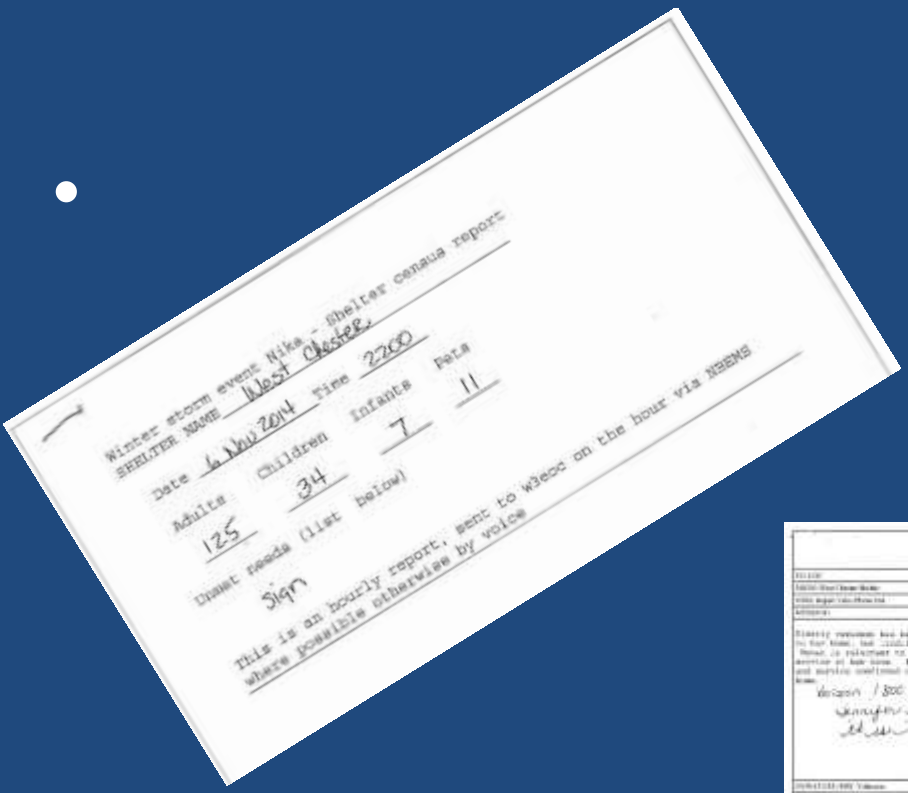
Lessons Learned

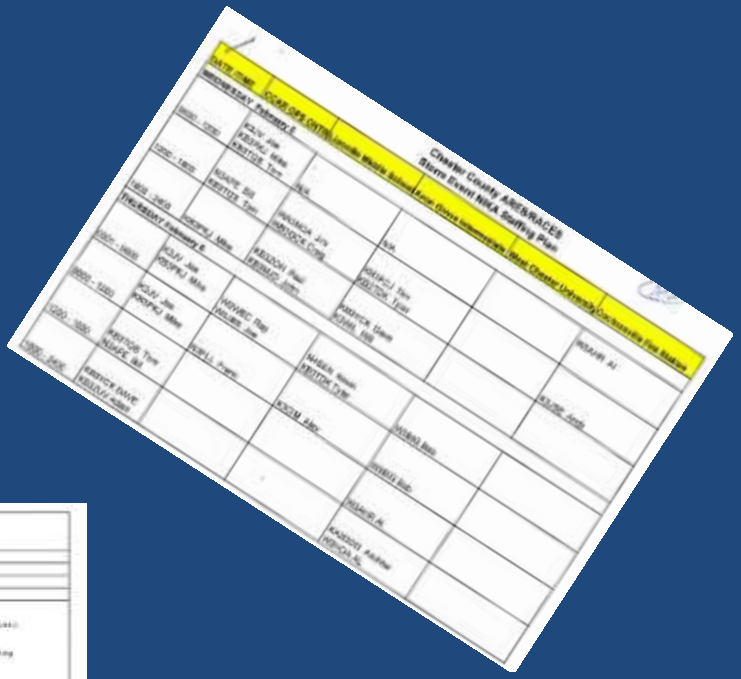
- The CCAR 5.8 GHz network lost connectivity with the internet
  - 2 Comcast interconnects went down early in the event
  - 5.8 GHz not reachable by many of Chester County Townships
- Plan in place to expand 5.8GHz to more township's and adjacent counties
  - Simplify connectivity to plug and play

Lessons Learned



Lessons Learned

- 
Winter storm event Nika - Shelter census report
SHELTER NAME West Chester
Date 6 Mar 2014 Time 2200
Adults 125 Children 34 Infants 7 Pets 11
Guest needs (list below)
Sign
This is an hourly report, sent to w3eoc on the hour via NBEMS where possible otherwise by voice




GENERAL MESSAGE
Verizon 1 800 837 4966
Jennifer stated she has
all in testing OK

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Drew McGhee KA3EJV
Blair County ACS Officer
Blair County ARES EC
drm6@psu.edu

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Public Service (noun):

> Something that is done to help people rather than to make a profit.

<http://www.merriam-webster.com/dictionary/public%20service>

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Public Service

Advocacy

Education

Technology

Membership

Learning by Doing: Public Service Events and ICS Forms

Amateur Radio operators helping their communities in good times and bad, through community events, disaster response, and various programs.

ARRL <http://www.arrl.org/public-service>

ARRL Vision Statement

As the national association for Amateur Radio in the United States, ARRL:

- Supports the awareness and growth of Amateur Radio worldwide;
- Advocates for meaningful access to radio spectrum;
- Strives for every member to get involved, get active, and get on the air;
- Encourages radio experimentation and, through its members, advances radio technology and education; and
- Organizes and trains volunteers to serve their communities by providing public service and emergency communications.

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The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes.

ARRL <http://www.arrl.org/ares>

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Title 47; Chapter I; Subchapter D; Part 97 “Amateur Radio Service”

§97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

(a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

(c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.

(d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.

(e) Continuation and extension of the amateur's unique ability to enhance international goodwill

FCC <http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&SID=336ab7469b61ecbfa15086dbf1bf2c59&rgn=div5&view=text&node=47:5.0.1.1.6&idno=47#47:5.0.1.1.6.1.157.1>

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Event: A planned, non-emergency activity.

FEMA “ICS Resource Center Glossary of Related Terms” <http://training.fema.gov/emiweb/is/icsresource/glossary.htm>

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Incident: An occurrence or event, natural or human-caused, that requires an emergency response to protect life or property. Incidents can, for example, include major disasters, emergencies, terrorist attacks, terrorist threats, wildland and urban fires, floods, hazardous materials spills, nuclear accidents, aircraft accidents, earthquakes, hurricanes, tornadoes, tropical storms, war-related disasters, public health and medical emergencies, and other occurrences requiring an emergency response.

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Event: A planned, non-emergency activity. ICS can be used as the management system for a wide range of events, e.g., parades, concerts, or sporting events.

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NIMS Components: Command and Management

- Incident Command System (ICS)
- Multiagency Coordination System
- Public Information System

Incident Command System (ICS)

- Standardized, On-scene, All-hazards Incident Management Concept
- Coordinated Response Amongst Jurisdictions and Agencies
- Common Processes for Planning and Managing Resources
- Integrates Facilities, Equipment, Personnel, Procedures, and Communications
- Operates Within Common Organizational Structure

IS-0100.b “Introduction to the Incident Command System (ICS),” FEMA, October 2013, Student Manual, Page 2.4.

Incident Command System (ICS)

- Standardized Management Tool
  - Emergency (Incident) or Nonemergency (Event)
  - Large or Small Incident/Event
- Represents Best Practices
- Standard Across Country
- Key Feature of NIMS

Incident Command System (ICS)

- ICS Forms
- Position Description and Responsibilities
- Emergency Operations Plan
- Policies and Procedures Manuals
- Maps

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- ICS Forms
- Position Description and Responsibilities
- Emergency Operations Plan
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- Maps

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National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet

September 2010

FEMA

- ICS Form 201 “Incident Briefing”
- ICS Form 202 “Incident Objectives”
- ICS Form 203 “Organization Assignment List”
- ICS Form 204 “Assignment List”
- ICS Form 205 “Incident Radio Communications Plan”
- ICS Form 205A “Communications Contact List”
- ICS Form 206 “Medical Plan”
- ICS Form 207 “Organizational Chart”
- ICS Form 209 “Incident Status Summary”
- ICS Form 210 “Status Change Card”
- ICS Form 211 “Check-In List”
- ICS Form 213 “General Message”
- ICS Form 214 “Unit Log”
- ICS Form 215 “Operational Planning Worksheet”
- ICS Form 215A “Incident Action Plan Safety Analysis”
- ICS Form 216 “Radio Requirements Worksheet”
- ICS Form 217 “Radio Frequency Assignment Worksheet”
- ICS Form 218 “Support Vehicle Inventory”
- ICS Form 219-## “Resource Status Cards”
- ICS Form 220 “Air Operations Summary”
- ICS Form 221 “Demobilization Plan”
- ICS Form 225 “Incident Personnel Performance”

FEMA <http://www.fema.gov/media-library-data/20130726-1922-25045-7047/ics_forms_12_7_10.pdf>

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ICS Form 225 “Incident Personnel Performance”

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ICS Form 205 “Incident Radio Communications Plan”

Learning by Doing: Public Service Events and ICS Forms

ICS Form 205 “Incident Radio Communications Plan”
ICS Form 217A “Communications Resource Availability Worksheet”
ICS Form 205T "Telephone Contact List"

Learning by Doing: Public Service Events and ICS Forms

ICS-217A
"Communications Resource Availability Worksheet"

ICS-205
"Incident Radio Communications Plan"

ICS-205T
"Telephone Contact List"

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ICS-217A
"Communications Resource Availability Worksheet"

ICS-205
"Incident Radio Communications Plan"

ICS-205T
"Telephone Contact List"

ICS-217A
“Communications Resource Availability Worksheet”

Purpose: Readily available, single source of all agency frequencies, interoperable channels, and/or talkgroups. Information used to complete an ICS-205 during an incident.

Preparation: Completed in an administrative setting prior to an incident by Communications Coordinator or COML. Information from ICS-217A “copied and pasted” to ICS-205.

Distribution: All appropriate personnel authorized to use the agency’s resources during incident.

ICS-217A
“Communications Resource Availability Worksheet”

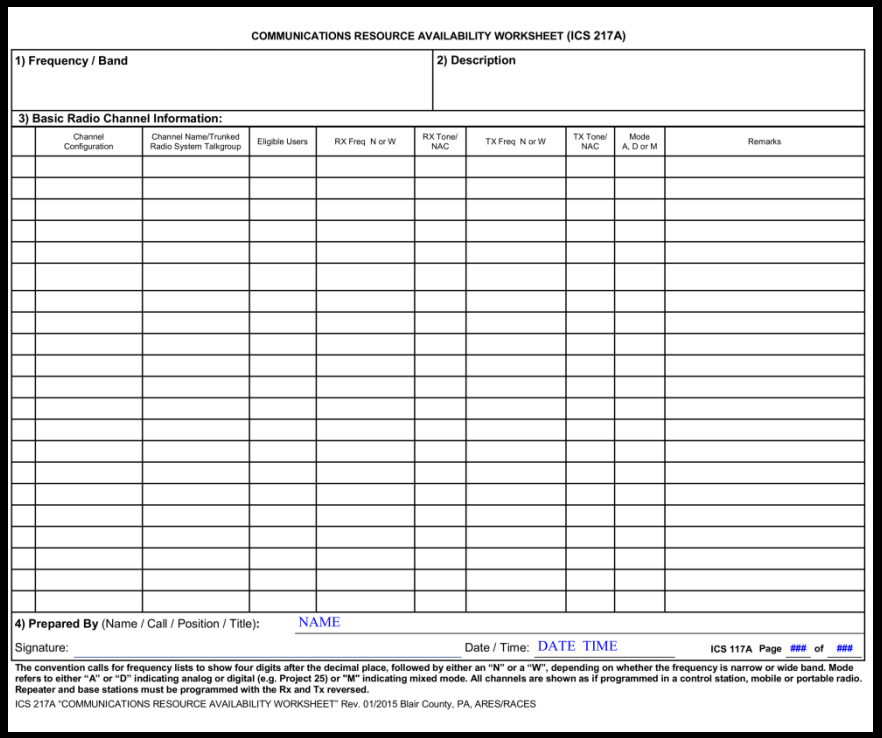
COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET			Frequency Band		Description			
	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks

The convention calls for frequency lists to show four digits after the decimal place, followed by either an “N” or a “W”, depending on whether the frequency is narrow or wide band. Mode refers to either “A” or “D” indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

ICS 217A Excel 3/2007

<www.npstc.org/resourceCD/ICS217A%20ver%2003_07.xls>

ICS-217A
“Communications Resource Availability Worksheet”



COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band	2) Description

3) Basic Radio Channel Information:

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks

4) Prepared By (Name / Call / Position / Title): NAME

Signature: _____ Date / Time: DATE TIME ICS 117A Page ### of ###

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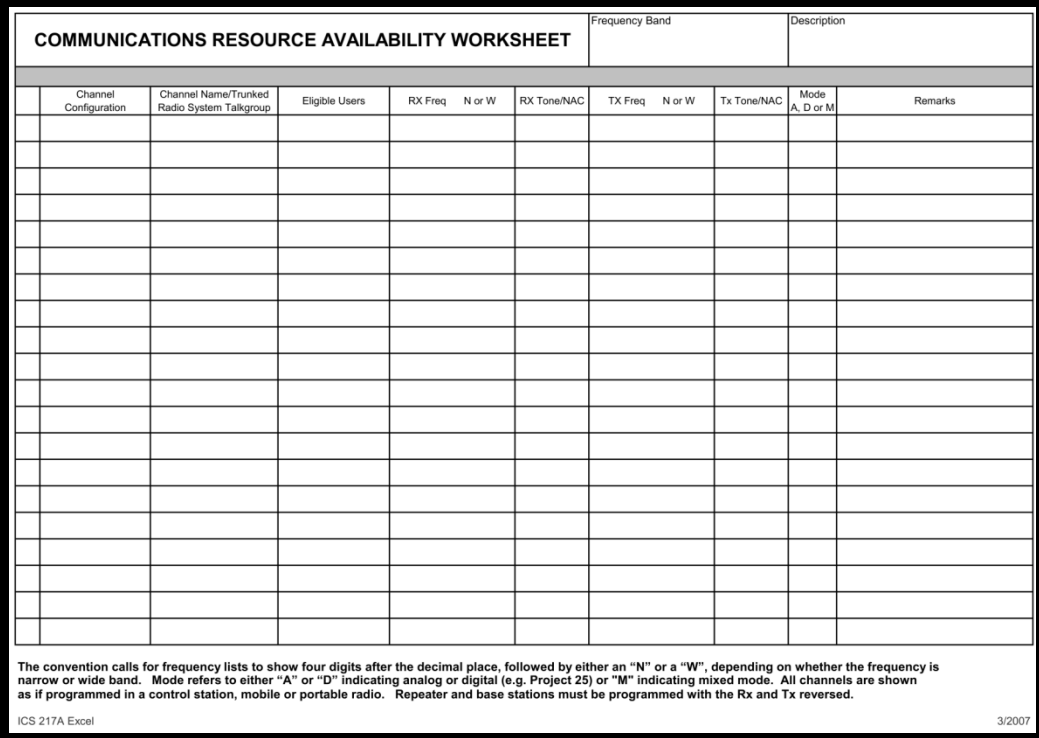
ICS 217A “COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET” Rev. 01/2015 Blair County, PA, ARES/RACES



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ICS 217A Excel 3/2007

<www.npstc.org/resourceCD/ICS217A%20ver%2003_07.xls>

ICS-217A

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET

1) Frequency / Band

VHF (2-Meters)

2) Description

Blair County ACS: ARES / RACES

3) Basic Radio Channel Information:

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
a	FM Simplex	APRS		144.3900 MHz W	None	144.3900 MHz W	None	A	Per WPRC and ARRL.
b	FM Simplex	APRS Voice Alert		144.3900 MHz W	100.0 Hz	144.3900 MHz W	100.0 Hz	A	See <http://www.aprs.org/VoiceAlert3.html> for operational details.
c	FM Simplex	52 Simplex		146.5200 MHz W	None	146.5200 MHz W	None	A	National 2-Meter Simplex Calling Frequency
d	FM Simplex	Blair 54 Simplex		147.5400 MHz W	None	147.5400 MHz W	None	A	Assigned to Blair County for intra-county simplex operation. Also assigned to Forrest County for intra-county simplex operations per WPA ARES VHF Band Plan
e	D-Star Simplex	D-Star Simplex		145.6700 MHz W	None	145.6700 MHz W	None	D	Per WPRC
f	FM Simplex	Centre 51 Simplex		145.5100 MHz W	None	145.5100 MHz W	None	A	Intra-county simplex operations. Also assigned to Centre and Washington Counties for intra-county simplex operations per WPA ARES VHF Band Plan.
g	FM Simplex			145.5300 MHz W	None	145.5300 MHz W	None	A	Intra-county simplex operations. Also assigned to Allegheny and McKean Counties for intra-county simplex operations per WPA ARES VHF Band Plan.
h	FM Simplex			145.550 MHz W	None	145.550 MHz W	None	A	Intra-county simplex operations. Also assigned to Beaver and Franklin Counties for intra-county simplex operations per WPA ARES VHF Band Plan.
i	FM Simplex	Mifflin 57 Simplex		145.5700 MHz W	None	145.5700 MHz W	None	A	Intra-county simplex operations. Also assigned to Butler, Mifflin, and Potter Counties for intra-county simplex operations per WPA ARES VHF Band Plan.
j	FM Simplex			145.5900 MHz W	None	145.5900 MHz W	None	A	Intra-county simplex operations. Also assigned to Armstrong and Erie Counties for intra-county simplex operations per WPA ARES VHF Band Plan.
k	FM Simplex			145.6100 MHz W	None	145.6100 MHz W	None	A	Simplex operations per WPA ARES VHF Band Plan.
l	FM Simplex			145.6300 MHz W	None	145.6300 MHz W	None	A	Simplex operations per WPA ARES VHF Band Plan.
m	FM Simplex			145.6500 MHz W	None	145.6500 MHz W	None	A	Simplex operations per WPA ARES VHF Band Plan.
n	FM Simplex	Clearfield 535 Simplex		146.5350 MHz W	None	146.5350 MHz W	None	A	Intra-county simplex operations. Also assigned to Clearfield and Greene Counties for intra-county simplex operations per WPA ARES VHF Band Plan.

4) Prepared By (Communications Unit Leader) Name: **Drew McGhee KA3EJV** Date / Time: January 1, 2014 0000

Signature: *Drew McGhee*

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band VHF Public Service Band

2) Description Pennsylvania NOAA Weather Radio Stations

3) Basic Radio Channel Information: <http://www.nws.noaa.gov/nwr/Maps/PHP/pennsylvania.php#Station>

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
	FM Receive Only	WX1	Anyone	162.4000 W	None	Receive Only	None	A	KEC58 / Erie / Cleveland WFO WXL55 / Williamsport (Montoursville) / State College WFO WXL39 / Allentown / Mount Holly WFO WXM33 / Johnstown (Laurel Hill) / State College WFO
	FM Receive Only	WX2	Anyone	162.4250 W	None	Receive Only	None	A	WWG53 / Parker / Pittsburgh WFO WNG704 / Hibernia Park (Chester County) / Mount Holly WFO WNG589 / Altoona (Frankstown) / State College WFO
	FM Receive Only	WX3	Anyone	162.4500 W	None	Receive Only	None	A	WNG705 / Honesdale (Wayne County) / Binghamton WFO WWG51 / Warren (Youngsville) / State College WFO
	FM Receive Only	WX4	Anyone	162.4750 W	None	Receive Only	None	A	WXM59 / State College (Little Flat Mtn.) / State College WFO KZZ32 / Meadville / Cleveland WFO KIH28 / Philadelphia / Mount Holly WFO WXM94 / Wellsboro (Dutch Hill) / State College WFO
	FM Receive Only	WX5	Anyone	162.5000 W	None	Receive Only	None	A	KZZ42 / Punxsutawney / Pittsburgh WFO WNG591 / Coudersport / State College WFO
	FM Receive Only	WX6	Anyone	162.5250 W	None	Receive Only	None	A	WXM95 / Towanda / (Mt. Pisgah) / Binghamton WFO WWG52 / Huntingdon / (Three Springs) / State College WFO
	FM Receive Only	WX7	Anyone	162.5500 W	None	Receive Only	None	A	KIH35 / Pittsburgh / Pittsburgh WFO WXL40 / Harrisburg / (Blue Mtn.) / State College WFO WXL43 / Wilkes-Barre / (Penobscot Knob) / Binghamton WFO WXL52 / Clearfield / State College WFO

County SAME Codes

Adams 042001	Bucks 042017	Clinton 042035	Forest 042053	Lancaster 042071	Monroe 042089	Schuylkill 042107	Washington 042125
Allegheny 042003	Butler 042019	Columbia 042037	Franklin 042055	Lawrence 042073	Montgomery 042091	Snyder 042109	Wayne 042127
Armstrong 042005	Cambria 042021	Crawford 042039	Fulton 042057	Lebanon 042075	Montour 042093	Somerset 042111	Westmoreland 042129
Beaver 042007	Cameron 042023	Cumberland 042041	Greene 042059	Lehigh 042077	Northampton 042095	Sullivan 042113	Wyoming 042131
Bedford 042009	Carbon 042025	Dauphin 042043	Huntingdon 042061	Luzerne 042079	Northumberland 042097	Susquehanna 042115	York 042133
Berks 042011	Centre 042027	Delaware 042045	Indiana 042063	Lycoming 042081	Perry 042099	Tioga 042117	
Blair 042013	Chester 042029	Elk 042047	Jefferson 042065	McKean 042083	Philadelphia 042101	Union 042119	
Bradford 042015	Clarion 042031	Erie 042049	Juniata 042067	Mercer 042085	Pike 042103	Venango 042121	
	Clearfield 042033	Fayette 042051	Lackawanna 042069	Mifflin 042087	Potter 042105	Warren 042123	

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV EC Blair ARES

Signature: *Drew McGhee* Date / Time: March 1, 2015

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band

VHF / UHF

2) Description

Bike MS

2015 "Keystone Country Ride" 20th Anniversary Ride

3) Basic Radio Channel Information:

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
a	Simplex	APRS		144.3900 MHz W	None	Simplex	None	A	WPA APRS Frequency per WPRC and ARRL
b	Simplex	52 Simplex		146.5200 MHz W	None	Simplex	None	A	National 2-Meter Simplex Calling Frequency per ARRL
c	Simplex	Blair 54 Simplex		147.5400 MHz W	None	Simplex	None	A	Blair County Simplex Per WPA VHF Band Plan
d	Simplex	Centre 51 Simplex		145.5100 MHz W	None	Simplex	None	A	Centre County Simplex Per WPA VHF Band Plan
e	Simplex	Huntingdon 525 Simplex		147.5250 MHz W	None	Simplex	None	A	Huntingdon County Simplex Per WPA VHF Band Plan
f	Repeater	Blair 61		146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	W3QZF/R Wopsononock Mtn Blair County (HARC)
g	~~Repeater~~	~~Blair 82~~		~~146.8200 MHz W~~	~~123.0 Hz~~	~~146.2200 MHz W~~	~~123.0 Hz~~	~~A~~	~~W3QW/R Wopsononock Mtn Blair County (HARC)~~ **Not available for 2015 MS-150. (1)**
h	Repeater	Centre 85		146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County (NARC). To utilize W3YA/R voting receivers, you must use 146.2 Hz on transmit.
i	Repeater	Centre 85		146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County (NARC). To utilize W3YA/R voting receivers, you must use 146.2 Hz on transmit.
j	Repeater	Centre 76		146.7600 MHz W	146.2 Hz	146.1600 MHz W	146.2 Hz	A	W3GA/R Rattlesnake Mtn Centre County (PARC)
k	Repeater	Centre 45		145.4500 MHz W	146.2 Hz	144.8500 MHz W	146.2 Hz	A	K3CR/R University Park Centre County (PSARC)
l	Repeater	Centre 43		146.4300 MHz W	173.8 Hz	147.4300 MHz W	173.8 Hz	M	W3PHB/R Rattlesnake Mtn Centre County (PARC) **(Note +1 MHz split.) (2)**
m	Repeater	Huntingdon 70		146.7000- MHz W	None	146.1000 MHz W	None	A	W3WIV/R Loop Mtn Huntingdon/Blair County (HCARC). **(3)**
n	Simplex	446 Simplex		446.0000 MHz W	None	Simplex	None	A	National Simplex Frequency per ARRL
o	Repeater	Dunning NU3T/R		443.8750 MHz W		448.8750 MHz W	123.0 Hz	A	NU3T/R Dunning Mtn Blair County (BKRA)
p	Repeater	Brush NU3T/R		442.1000 MHz W		447.1000 MHz W	167.9 Hz	A	NU3T/R Brush Mtn Blair County (BKRA)
q	~~Repeater~~	~~Wopsy W3VO/R~~		~~444.600 MHz W~~		~~449.6000 MHz W~~	~~123.0 Hz~~	~~A~~	~~W3VO/R Wopsononock Mtn Blair County (HARC)~~ **Not available for 2015 MS 150. (1)**

(1) The W3QW/R and W3VO/R are co-located with the W3SO contest station. W3QW/R and W3VO/R will be off the air for the CQ VHF Contest July 18-19, 2015.
(2) The W3WIV/R is a dual mode (FM analog/digital voice) repeater using Yaesu System Fusion. FM analog radios can still be used with this repeater Use link for additional Yaesu System Fusion repeater information.
(3) The W3WIV/R and W3VI/R are normally linked continuously. The link will be dropped during the ride. However, the W3WIV/R has an antenna issue that may limit its usefulness between Martinsburg and Camp K.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: *Drew McGhee* Date / Time: June 5, 2015 0000

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band	2) Description
VHF / UHF (2-meter / 70-cm)	**BaoFeng UV5R KA3EJV a/b**

3) Basic Radio Channel Information:

Ch. #	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
1	Simplex	52S		146.5200 MHz W	None	146.5200 MHz W	None	A	National 2-Meter Simplex Calling Frequency per ARRL
2	Simplex	446S		446.0000 MHz W	None	446.0000 MHz W	None	A	National 70-cm Simplex Calling Frequency per ARRL
3	Simplex	BLR54S		147.5400 MHz W	None	147.5400 MHz W	None	A	Blair County intra-county simplex operation. Forrest County intra-county simplex operations Per WPA ARES VHF Band Plan.
4	Simplex	CEN51S		145.5100 MHz W	None	145.5100 MHz W	None	A	Centre County intra-county simplex operation. Washington County intra-county simplex operation. Per WPA ARES VHF Band Plan.
5	Simplex	HUN525S		147.5250 MHz W	None	147.5250 MHz W	None	A	Huntingdon County intra-county simplex operation. Crawford County intra-county simplex operation. Washington County intra-county simplex operation. Per WPA ARES VHF Band Plan.
6	Repeater	BLR61R		146.6100 MHz W	None	146.0100 MHz W	123.0 Hz	A	W3QZF/R Wopsononock Mtn Blair County (HARC)
7	Repeater	BLR82R		146.8200 MHz W	None	146.2200 MHz W	123.0 Hz	A	W3QW/R Wopsononock Mtn Blair County (HARC)
8	Repeater	CEN85R		146.8500 MHz W	None	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County (NARC). W3YA/R has voting receivers. Use 146.2 Hz on transmit.
9	Repeater	CEN76R		146.7600 MHz W	None	146.1600 MHz W	146.2 Hz	A	W3GA/R Rattlesnake Mtn Centre County (PARC)
10	Repeater	CEN45R		145.4500 MHz W	None	144.8500 MHz W	146.2 Hz	A	K3CR/R University Park Centre County (PSARC)
11	Repeater	CEN43R		146.4300 MHz W	None	147.4300 MHz W	173.8 Hz	A	W3PHB/R Rattlesnake Mtn Centre County (PARC)
12	Repeater	HUN70R		146.7000 MHz W	None	146.1000 MHz W	None	A	W3WIV/R Loop Mtn Huntingdon/Blair County (HCARC).
13	Repeater	BLR875		443.8750 MHz W	None	448.8750 MHz W	123.0 Hz	A	NU3T/R Dunning Mtn Blair County (BKRA)
14	Repeater	BLR100R		442.1000 MHz W	None	447.1000 MHz W	167.9 Hz	A	NU3T/R Brush Mtn Blair County (BKRA)
15	Repeater	BLR600R		444.6000 MHz W	None	449.6000 MHz W	123.0 Hz	A	W3VO/R Wopsononock Mtn Blair County (HARC)
16	Repeater	HUN600R		442.6000 MHz W	None	447.6000 MHz W	123.0 Hz	A	WO3T/R Loop Mtn Blair/Huntingdon County (WO3T)
17	Repeater	CEN650R		443.6500 MHz W	None	448.6500 MHz W	146.2 Hz	A	KC3R/R University Park Centre County (PSARC)
18	Repeater	CEN700R		444.7000 MHz W	None	449.7000 MHz W	114.8 Hz	A	N3EB/R Rattlesnake Mtn Centre County (NARC). N3EB/R has voting receiver on Little Flat Mtn Centre County.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: _____ Date / Time: April 20, 2015

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

Learning by Doing: Public Service Events and ICS Forms

ICS-217A
"Communications Resource Availability Worksheet"

ICS-205
"Incident Radio Communications Plan"

ICS-205T
"Telephone Contact List"

ICS-205
“Incident Radio Communications Plan”

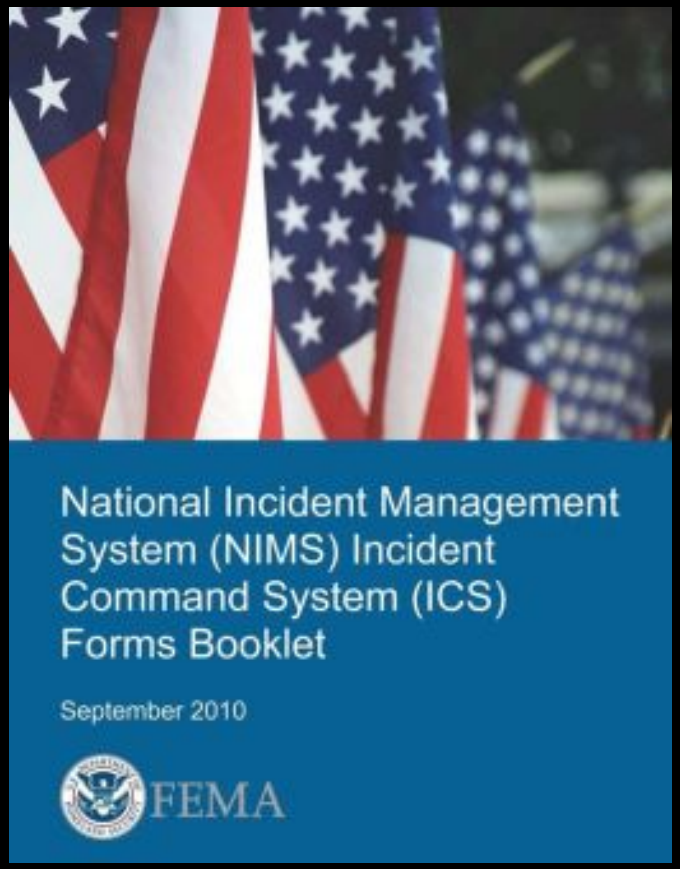
Purpose: Provides information on all frequencies, channels and/or talkgroup assignments for each operational period.

Preparation: Information “copied and pasted” from ICS-217A by the COML.

Distribution: Duplicated, attached to ICS 202, and provided to all recipients of Incident Action Plan (IAP). Original forms given to the Documentation Unit. ICS 205 information placed on Assignment Lists.

“National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet,” FEMA, September 2010.

ICS-205 “Incident Radio Communications Plan”



INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name:	2. Date/Time Prepared: Date: Time:	3. Operational Period: Date From: Date To: Time From: Time To:

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

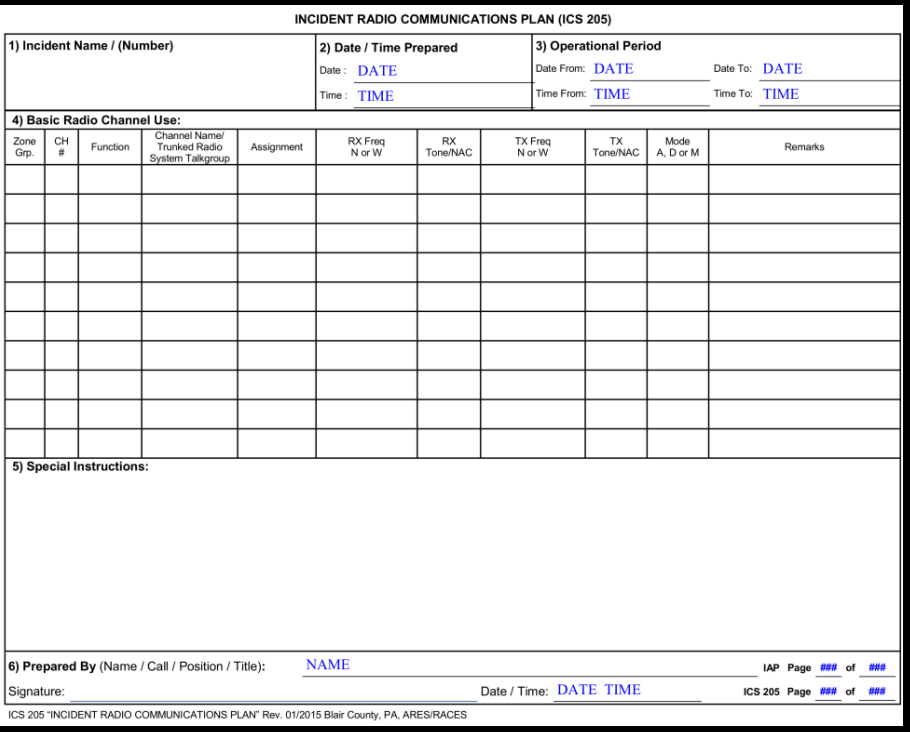
5. Special Instructions:

6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____

ICS 205	IAP Page _____	Date/Time: _____

“National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet,” FEMA, September 2010.

ICS-205 “Incident Radio Communications Plan”



INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1) Incident Name / (Number)	2) Date / Time Prepared	3) Operational Period
	Date : DATE	Date From: DATE Date To: DATE
	Time : TIME	Time From: TIME Time To: TIME

4) Basic Radio Channel Use:

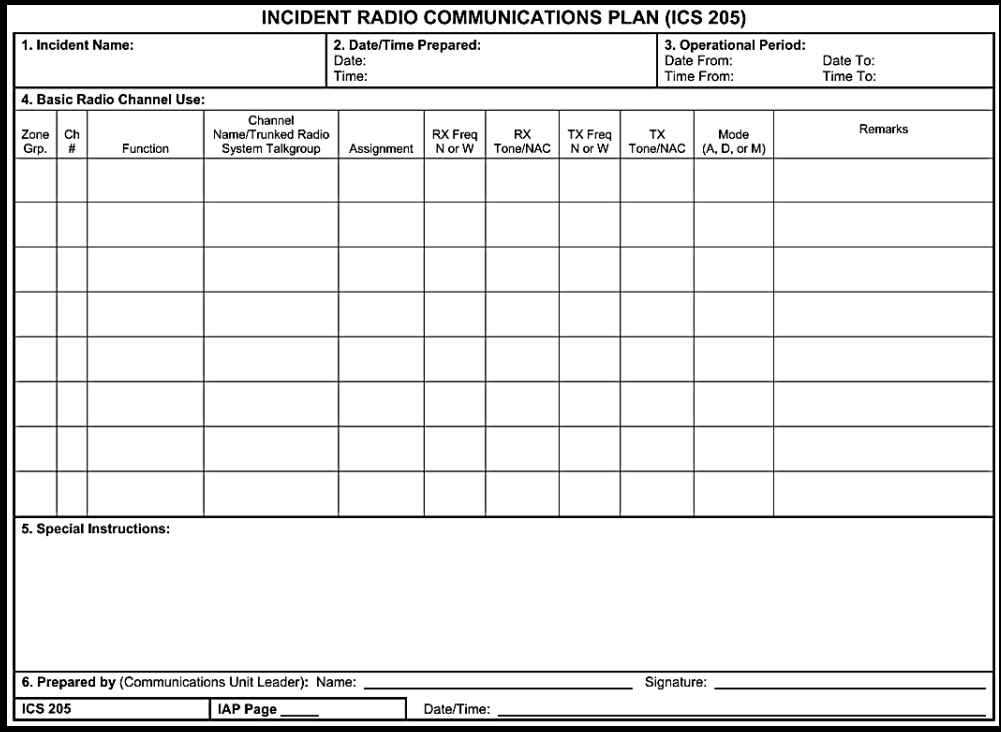
Zone Grp.	CH #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode A, D or M	Remarks

5) Special Instructions:

6) Prepared By (Name / Call / Position / Title): NAME IAP Page ### of ###

Signature: Date / Time: DATE TIME ICS 205 Page ### of ###

ICS 205 “INCIDENT RADIO COMMUNICATIONS PLAN” Rev. 01/2015 Blair County, PA, ARES/RACES



INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name:	2. Date/Time Prepared: Date: Time:	3. Operational Period: Date From: Date To: Time From: Time To:

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

5. Special Instructions:

6. Prepared by (Communications Unit Leader): Name: Signature:

ICS 205 | IAP Page ____ | Date/Time:

“National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet,” FEMA, September 2010.

ICS-205 **INCIDENT RADIO COMMUNICATIONS PLAN**	**1) INCIDENT NAME**	**2) DATE/TIME PREPARED** Date: Time:	**3) OPERATIONAL PERIOD DATE/TIME (1)** Date From: Date To: Time From: Time To:

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
	a	Tactical	Blair 61	Primary	146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	W3QZF/R Wopsononock Mtn. Primary county-wide operations.
	b	Tactical	Blair Brush Mtn.	Secondary	442.1000 MHz W	None	447.1000 MHz W	167.9 Hz	A	NU3T/R Brush Mtn. Secondary county-wide operations.
	c	Traffic	Bedford 15	Primary	147.1500 MHz W	167.9 Hz	147.7500 MHz W	167.9 Hz	A	K3OIH/R Blue Knob Mtn Bedford County WPA S2 District (2)
	d	Traffic		Primary	3.9830 MHz	None	3.9830 MHz	None	A	WPA Section Traffic (3)
	e	Traffic		Secondary	7.2720 MHz	None	7.2720 MHz	None	A	WPA Section Traffic (3)
	f	Traffic	PEMA-C1	Primary Nighttime	3.9935 MHz	None	3.9935 MHz	None	A	PEMA Central Area Nighttime
	g	Traffic	PEMA-C2	Primary Daytime	7.2505 MHz	None	7.2505 MHz	None	A	PEMA Central Area Daytime (4)
	h	Traffic	PEMA-1P	Secondary	147.0750 MHz W	None	147.6750 MHz W	123.0 Hz	A	KB3NIA/R — Ellendale Mtn. (4) Dauphin County
	i	Traffic	PANBEMS-1	NBEMS	3.5830 MHz	None	3.5835 MHz	None	A	PA NBEMS Primary (5) Olivia 8/500; 1000 Hz
	j	Traffic	PANBEMS-2	NBEMS	7.0725 MHz	None	7.0730 MHz	None	A	PA NBEMS Secondary (5) Olivia 8/500; 1000 Hz

5) Special Instructions:

1) For initial activation. Modify/expand as needed.
2) Intra-district (WPA S2) traffic.
3) Intra-section (WPA) traffic.
4) PA ACS:ARES/RACES traffic related to PEMA Central Area operations.
5) WPA Section, ARES state-wide, or PA ACS: ARES/RACES related traffic.

6) Prepared By (Communications Unit Leader) (Name / Call / Position / Title): Drew McGhee KA3EJV ARES EC Blair County, PA

ICS-205 Page 1 of 1

Signature: Drew McGhee Date / Time: August 26, 2014 0000

IAP Page _____ of _____

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

ICS-205

INCIDENT RADIO COMMUNICATIONS PLAN

1) INCIDENT NAME	2) DATE/TIME PREPARED	3) OPERATIONAL PERIOD DATE/TIME
Blair County SKYWARN / Severe Weather Activation (1)	Date: Time:	Date From: Date To: Time From: Time To:

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
	a	Tactical	Blair 61	Primary	146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	W3QZF/R Wopsononock Mtn. Primary county-wide operations.
	b	Tactical	Blair Brush Mtn.	Secondary	442.1000 MHz W	None	447.1000 MHz W	167.9 Hz	A	NU3T/R Brush Mtn. Secondary county-wide operations.
	c	WX Traffic	Centre 85	Primary	146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County Primary State CollegeWFO (3) (4)
	d	WX Traffic	Bedford 15	Secondary	147.1500 MHz W	167.9 Hz	147.7500 MHz W	167.9 Hz	A	K3OIH/R Blue Knob Mtn Bedford County Secondary State CollegeWFO (3) (4)
	e	Weather	WX2	Primary	162.4250 W	None	Receive Only	None	A	WNG589 — Frankstown (2) Blair County Primary Also provides severe weather statements for Northern Bedford, Cambria, and Western Huntingdon Counties.
	f	Weather	WX6	Secondary	162.5250 W	None	Receive Only	None	A	WWG52 — Huntingdon (2) Blair County Secondary. Huntingdon County primary. Also provides severe weather statements for Bedford County.
	g	Traffic	PEMA-C1	Primary Nighttime	3.9935 MHz	None	3.9935 MHz	None	A	PEMA Central Area Primary Nighttime (5)
	h	Traffic	PEMA-C2	Primary Daytime	7.2505 MHz	None	7.2505 MHz	None	A	PEMA Central Area Primary Daytime (5)

5) Special Instructions:

1) For initial activation. Modify/expand as needed.
2) SAME Codes: Bedford 042009; Blair 042013; Cambria 042021 Huntingdon 042061.
3) If Blair County EOC is not activated, route all SKYWARN observations to State College WFO. If State College WFO is not activated, use best means.
4) If Blair County EOC is activated, route all SKYWARN observations to the Blair County EOC. If State College WFO is activated provide back-up/alternate communication channels between Blair County EOC and State College WFO.
5) If Blair County and State EOCs are activated, route all SKYWARN observations to the Blair County EOC. Provide back-up/alternate communication channels between Blair County and State EOC. Use relays as needed.

6) Prepared By (Communications Unit Leader) (Name / Call / Position / Title): Drew McGhee KA3EJV ARES EC Blair County, PA

ICS-205 Page 1 of 2

Signature: Drew McGhee Date / Time: June 19, 2014 0000

IAP Page _____ of _____

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1) Incident Name / (Number)

Day - 1 2015 Bike MS

"Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Prepared

Date : June 5, 2015

Time : 0000

3) Operational Period

Date From: July 18, 2015 Date To: July 18, 2015

Time From: 0600 Time To: 1800

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
	a	APRS	APRS	Primary	144.3900 MHz W	None	144.3900 MHz W	None	A	Use Tactical Call Sign for APRS call sign. Enter your FCC call sign in APRS status/ text/comment field.
	b	Command	Brush NU3T/R	As Needed	442.1000 MHz W		447.1000 MHz W	167.9 Hz	A	May be used by NCS to move event staff, emergency, priority, or other traffic off of the Tactical channel.
	c	Tactical	Blair 61	Primary	146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	Hollidaysburg to Ritchey"s Dairy
	d	Tactical		Primary						Ritchey's Dairy to Camp Kanasatake
	e	Tactical	Centre 85	Primary	146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	Camp Kanasatake to Penn Stater
	f	Tactical	Dunning NU3T/R	Back-up	443.8750 MHz W		448.8750 MHz W	123.0 Hz	A	Hollidaysburg to Ritchey's Dairy
	g	Tactical	Loop WO3T/R	Back-up	442.6000 MHz W		447.6000 MHz W	123.0 Hz	A	Ritchey's Dairy to Camp Kanasatake
	h	Tactical	Centre 45	Back-up	145.4500 MHz W	146.2 Hz	144.8500 MHz W	146.2 Hz	A	Camp Kanasatake to Penn Stater
	i	Cross-Band	XBand 400	All Fixed Locations	446.4000 MHz W	123.0 Hz	446.4000 MHz W	123.0 Hz	A	
	j	Cross-Band	XBand 425	MS-1 / Tail End	446.4250 MHz W	123.0 Hz	446.4250 MHz W	123.0 Hz	A	

5) Special Instructions:

All frequencies used to support the MS 150 will be open for general Amateur Radio use during the MS 150.

Support for the MS 150 though will be handled as a directed net. All MS150 traffic will be routed through the MS150 Net Control Station (NCS) unless directed otherwise.

Most Command/Control decisions should be able to be handled on the Tactical channels. Should the need arise though, the NCS can move the appropriate stations to the Command channel for consultation and coordination with event staff.

All stations are encouraged to use cross-band repeat to provide continuous communications while out of a vehicle or flexibility at fixed locations. To prevent interference between stations, please use assigned cross-band frequency.

6) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: June 5, 2015

IAP Page ____ of ____

ICS 205 Page 1 of 2

Learning by Doing: Public Service Events and ICS Forms

ICS-217A
"Communications Resource Availability Worksheet"

ICS-205
"Incident Radio Communications Plan"

ICS-205T
"Telephone Contact List"

ICS-205T
“Telephone Contact List”

Purpose: Used to record normal methods of personnel contact prior to or after an incident/event.

Preparation: Prior to, during check-in, or after an incident/event. It is maintained and distributed by Communications Unit personnel.

Distribution: Within the ICS organization by the Communications Unit, and posted as necessary. If the form contains sensitive information such as cell phone numbers, it should be clearly marked in the header that it contains sensitive information and is not for public release.

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

2) Operational Period

Date From: Month ##, #### Date To: Month ##, ####

Time From: #### Time To: ####

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail

4) Prepared By (Name / Call / Position / Title):

Signature: Date / Time: Month ##, #### ####

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

Blair County, PA, ARES Roster

2) Operational Period

Date From: April 1, 2015 Date To: March 31, 2016

Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Jeff Blake N8PSU 574 Grandview Road, Altoona, PA 16601	ACS: ARES/RACES	814-946-4022	814-949-3359	814-931-0170	n8psu@verizon.net
Blanche "Barb" Bender KA3VXR 533 Bovine Road, Ebensburg, PA 15931	ACS: ARES/RACES	814-472-9465	———	814-421-7019	ka3vxr@msn.com
Richard "Dick" Bender W3SYY 533 Bovine Road, Ebensburg, PA 15931	ACS: ARES/RACES	814-472-9465	———	———	w3syy@msn.com
Scott Campanaro KF6MRB PO Box: 308, Altoona, PA 16603	ACS: ARES/RACES	———	———	814.327.5719	scamp1776@gmail.com
Joseph Carpentieri KA2BRH 222 Twenty Row Road, Colver, PA 15927	ACS: ARES/RACES	814-748-7125	———	917-969-3054	jcarpen215@aol.com
Tammy Cooney N3MAZ 4006 Cortland Avenue, Altoona, PA 16601	ACS: ARES/RACES	814-626-1531	———	814-931-2603	tammy@cooneyjr.com
Tom Cooney Jr. W3SF 4006 Cortland Avenue, Altoona, PA 16601	ACS: ARES/RACES	814-626-1531	814-695-5521 x851215	814-931-0060	tom@cooneyjr.com
Brian Fornwalt N3ZQY 1521 18th Street, Altoona, PA 16601	ACS: ARES/RACES	814-944-5979	———	814-935-4813	bwf16601@gmail.com n3zqybwf@aol.com
Peter A. Gallace N3CVP 3812 Beale Avenue, Altoona, PA 16601	ACS: ARES/RACES	———	———	———	pagbeale@aol.com
John Garber AB3QW 2845 Grandview Road, Tyrone, PA 16686	ACS: ARES/RACES	814-742-8226	———	814-931-3272	gnw@nb.net
Robert "Bob" Gutshall W3BTX 112 East Wopsononock Avenue, Altoona, PA 16601	ACS: ARES/RACES	814-941-9964	———	———	w3btx@arrl.net
Eric Hilbert KE3TJ 1231 Madison Avenue, Altoona, PA 16602	ACS: ARES/RACES	814-942-7564	———	814-932-7468	ke3tjVE@outdrs.net

4) **Prepared By** (Name / Call / Position / Title): Drew McGhee KA3EJV, ARES EC, Blair County, PA,

Signature: Drew McGhee Date / Time: October 30, 2015 0000

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

Bike MS 2015 "Keystone Country Ride"
20th Anniversary Ride

2) Operational Period

Date From: July 18, 2015 Date To: July 19, 2015

Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Jack Clark KA3HOZ 819 Mifflin Street, Huntingdon, PA 16652	Huntingdon			814-423-1060	
Tom Cooney Jr. W3SF 4006 Cortland Avenue, Altoona, PA 16601	Blair	814-626-1531	814-695-5521 x851215	814-931-0060	tom@cooneyjr.com
Steve Elliot KA3UDR 368 Rest Home Road, Manns Choice, PA 15550	Bedford	814-623-6147		814-977-5007	ka3udr@centurylink.net
John Garber AB3QW 2845 Grandview Road, Tyrone, PA 16686	Blair			814-931-3272	gnw@nb.net
Frank Harchak KB3IWJ 105 Bell Avenue, Altoona, PA 16602	Blair		814-949-9210	814-215-5110	robin@dayonealtoona.org
Eric Hilbert KE3TJ 1231 Madison Avenue, Altoona, PA 16602	Blair	814-942-7564		814-932-7468	ke3tjVE@outdrs.net
John Hogenmiller KB3DFZ 300 Cumberland Road, Bedford, PA 15522	Bedford			814-602-9298	john@hogenmiller.net
Robin Hogenmiller KC3EXR 300 Cumberland Road, Bedford, PA 15522	Bedford			814-330-3359	robin@hogenmiller.net
Ted Holland WB3AVD 1172 Old Route 22, Duncansville, PA 16635	Blair	814-695-4821	814-943-7508		tedwb3avd@netzero.net
Karl Hosterman K3ARL 175 Whisper Ridge Drive, Port Matilda, PA 16870	Centre		814-355-4818	814-571-8080	karl@centrecommonline.com
Lisa Hilbert Keller N3WMH 422 South 2nd Street, Philipsburg, PA 16866	Centre			814-777-3292	lisapsu08@gmail.com
Chris Keller (N3WMH Husband) 422 South 2nd Street, Philipsburg, PA 16866	Centre			814-404-8758	snafug36@gmail.com

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: Final 2015

Learning by Doing: Public Service Events and ICS Forms

Drew McGhee KA3EJV
Blair County ACS Officer
Blair County ARES EC
drm6@psu.edu

Case Study: Public Service Events and ICS Forms

Study

Drew McGhee KA3EJV
Blair County ACS Officer
Blair County ARES EC
drm6@psu.edu

Carmine Prestia K3CWP
Centre County ACS Officer
Centre County ARES EC
carmine.prestia@gmail.com

Case Study: Public Service Events and ICS

Study

Drew McGhee KA3EJV
Blair County ACS Officer
Blair County ARES EC
drm6@psu.edu

Carmine Prestia K3CWP
Centre County ACS Officer
Centre County ARES EC
carmine.prestia@gmail.com

Case Study: Public Service Events and ICS

National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet

September 2010

FEMA

ICS Form 201 “Incident Briefing”
ICS Form 202 “Incident Objectives”
ICS Form 203 “Organization Assignment List”
ICS Form 204 “Assignment List”
ICS Form 205 “Incident Radio Communications Plan”
ICS Form 205A “Communications Contact List”
ICS Form 206 “Medical Plan”
ICS Form 207 “Organizational Chart”
ICS Form 209 “Incident Status Summary”
ICS Form 210 “Status Change Card”
ICS Form 211 “Check-In List”
ICS Form 213 “General Message”
ICS Form 214 “Unit Log”
ICS Form 215 “Operational Planning Worksheet”
ICS Form 215A “Incident Action Plan Safety Analysis”
ICS Form 216 “Radio Requirements Worksheet”
ICS Form 217 “Radio Frequency Assignment Worksheet”
ICS Form 218 “Support Vehicle Inventory”
ICS Form 219-## “Resource Status Cards”
ICS Form 220 “Air Operations Summary”
ICS Form 221 “Demobilization Plan”
ICS Form 225 “Incident Personnel Performance”

FEMA <http://www.fema.gov/media-library-data/20130726-1922-25045-7047/ics_forms_12_7_10.pdf>

Case Study: Public Service Events and ICS

National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet

September 2010

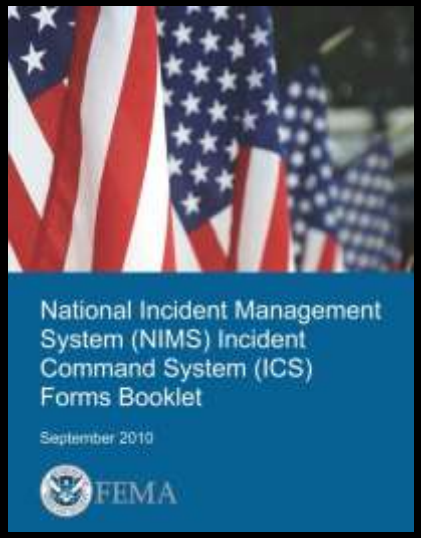
FEMA

ICS Form 201 "Incident Briefing"
ICS Form 202 "Incident Objectives"
ICS Form 203 "Organization Assignment List"
ICS Form 204 "Assignment List"
ICS Form 205 "Incident Radio Communications Plan"
ICS Form 205A "Communications Contact List"
ICS Form 206 "Medical Plan"
ICS Form 207 "Organizational Chart"
ICS Form 209 "Incident Status Summary"
ICS Form 210 "Status Change Card"
ICS Form 211 "Check-In List"
ICS Form 213 "General Message"
ICS Form 214 "Unit Log"
ICS Form 215 "Operational Planning Worksheet"
ICS Form 215A "Incident Action Plan Safety Analysis"
ICS Form 216 "Radio Requirements Worksheet"
ICS Form 217 "Radio Frequency Assignment Worksheet"
ICS Form 218 "Support Vehicle Inventory"
ICS Form 219-## "Resource Status Cards"
ICS Form 220 "Air Operations Summary"
ICS Form 221 "Demobilization Plan"
ICS Form 225 "Incident Personnel Performance"

FEMA <http://www.fema.gov/media-library-data/20130726-1922-25045-7047/ics_forms_12_7_10.pdf>

Case Study: Public Service Events and ICS

ICS-201
“Incident Briefing”



FEMA “National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet,” FEMA, September 2010

ICS-201 “Incident Briefing”

Purpose: Provides Command and General Staffs with basic information regarding the incident and resources allocated. Also serves as an initial action worksheet and permanent record of initial response to incident.

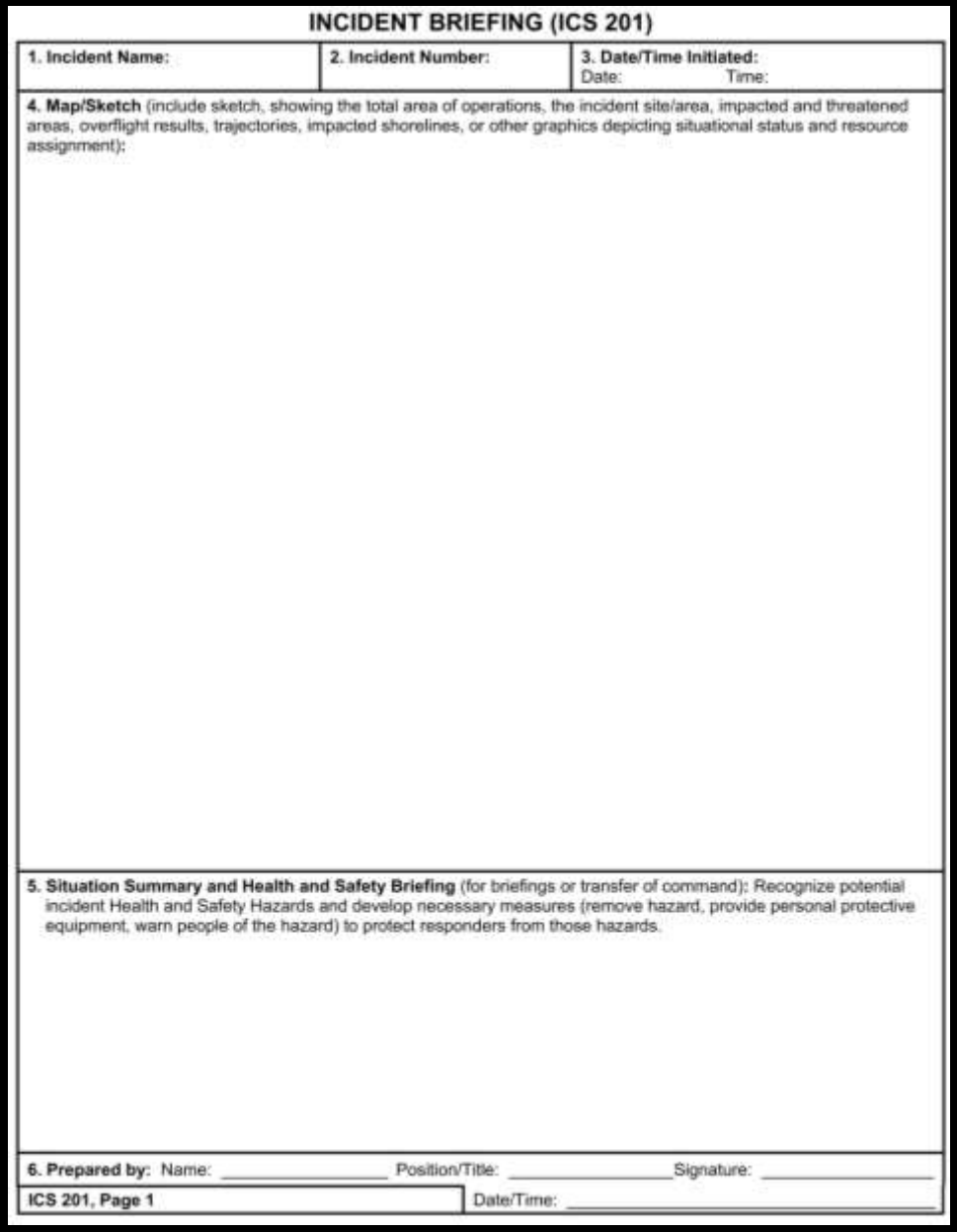
Preparation: Prepared by the Incident Commander for presentation to the incoming Incident Commander along with a more detailed oral briefing.

Distribution: Duplicated and distributed before initial Command and General Staff briefing and to other responders as appropriate. Pages 1-2 to Situation Unit. Pages 3-4 to Resources Unit.

FEMA “National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet,” FEMA, September 2010

Case Study: Public Service Events and ICS

ICS-201
"Incident Briefing"
Page 1



INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment):

5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

ICS 201, Page 1 Date/Time: _____

FEMA "National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet," FEMA, September 2010

INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment)**:**

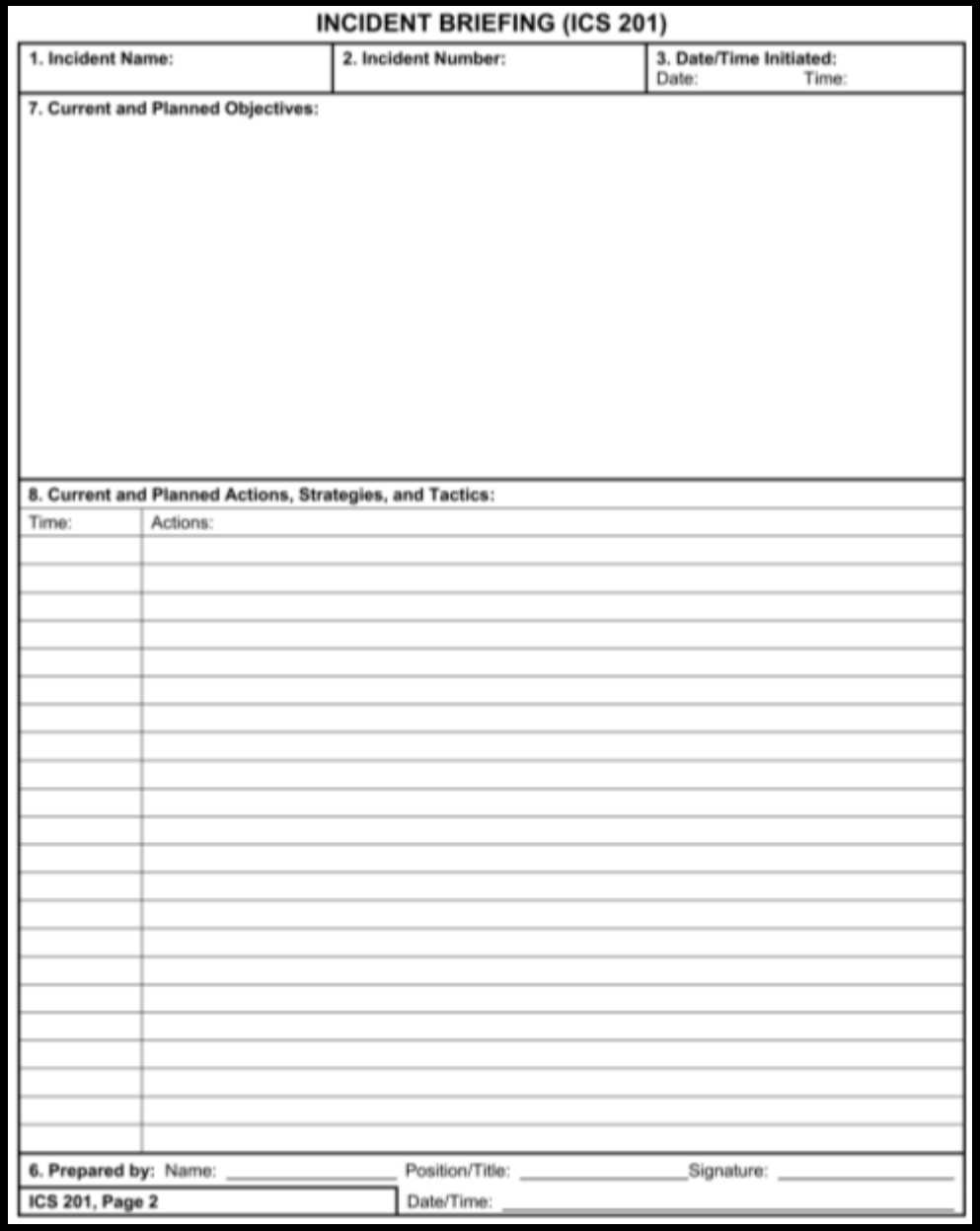
5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command)**:** Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

6. Prepared by: Name: _____ Position/Title: _____Signature: _____

Date/Time: _____

Case Study: Public Service Events and ICS

ICS-201
"Incident Briefing"
Page 2



INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

7. Current and Planned Objectives:

8. Current and Planned Actions, Strategies, and Tactics:

Time:	Actions:

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

ICS 201, Page 2 Date/Time: _____

FEMA "National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet," FEMA, September 2010

INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

7. Current and Planned Objectives:

8. Current and Planned Actions, Strategies, and Tactics:

Time:	Actions:

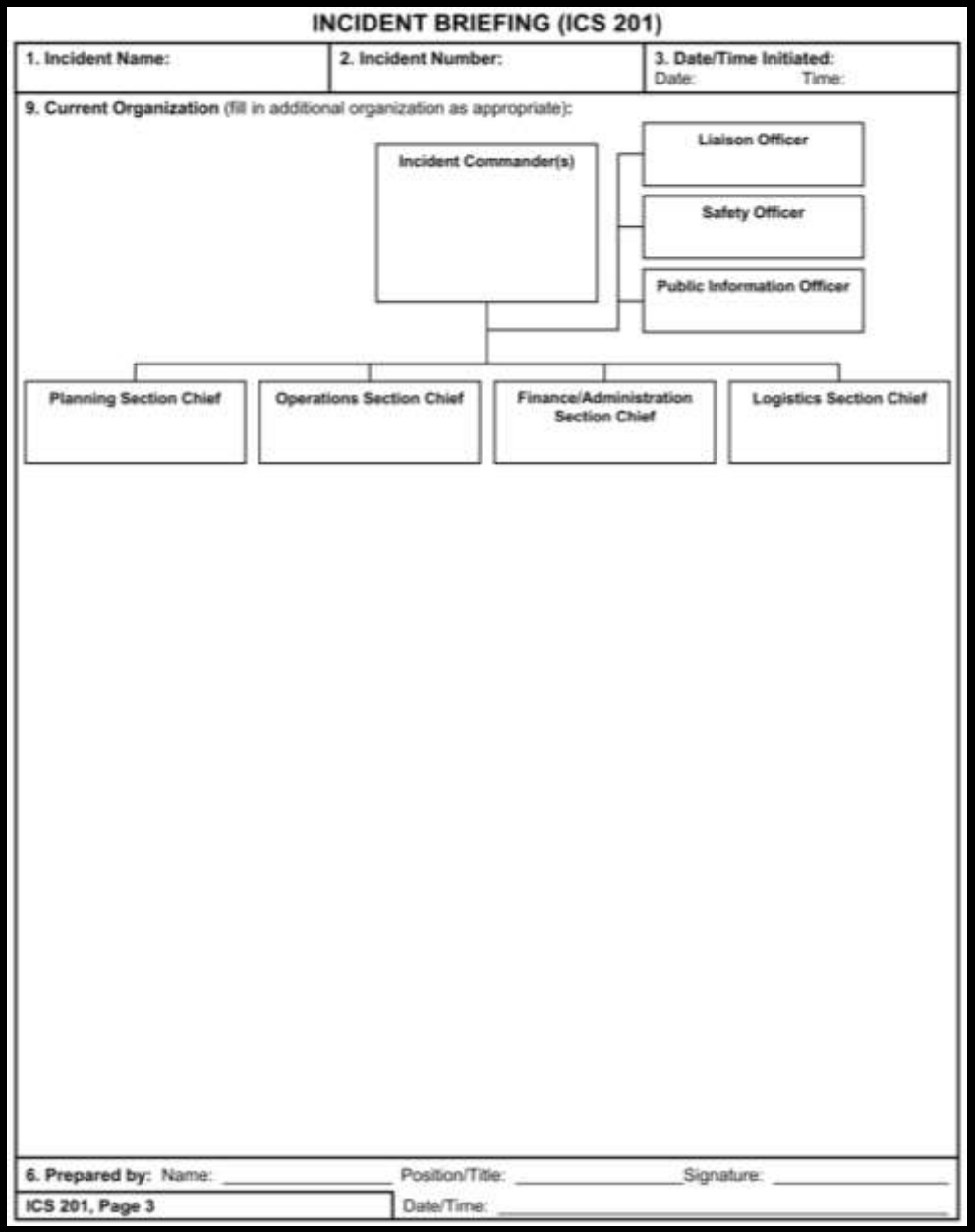
Time:	Actions:

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

Date/Time: _____

Case Study: Public Service Events and ICS

ICS-201
"Incident Briefing"
Page 3



INCIDENT BRIEFING (ICS 201)

1. Incident Name:
2. Incident Number:
3. Date/Time Initiated:
Date: Time:

9. Current Organization (fill in additional organization as appropriate):

Incident Commander(s)
Liaison Officer
Safety Officer
Public Information Officer
Planning Section Chief
Operations Section Chief
Finance/Administration Section Chief
Logistics Section Chief

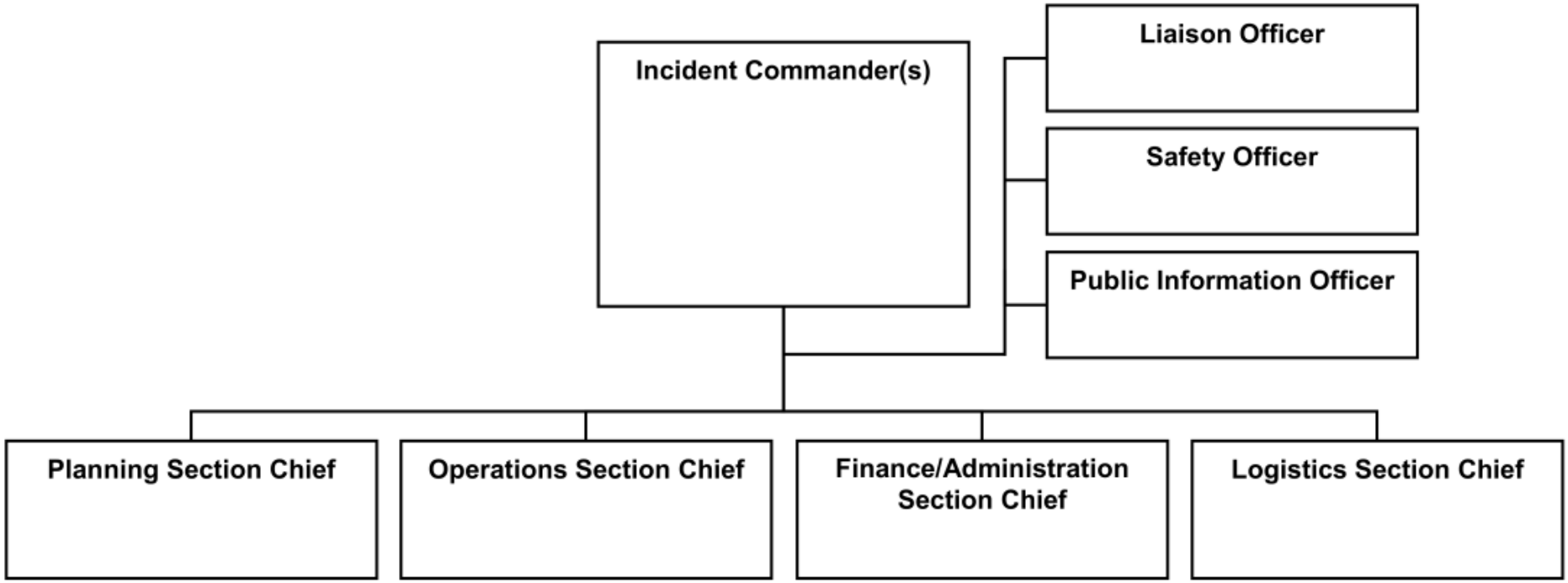
6. Prepared by: Name: Position/Title: Signature:
ICS 201, Page 3
Date/Time:

FEMA "National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet," FEMA, September 2010

INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

9. Current Organization (fill in additional organization as appropriate)**:**



6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

Date/Time: _____

Case Study: Public Service Events and ICS

ICS-201
"Incident Briefing"
Page 4

INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

10. Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
				☐	
				☐	
				☐	
				☐	
				☐	
				☐	
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				☐	
				☐	
				☐	
				☐	
				☐	
				☐	

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

ICS 201, Page 4 Date/Time: _____

FEMA "National Incident Management System (NIMS) Incident Command System (ICS) Forms Booklet," FEMA, September 2010

INCIDENT BRIEFING (ICS 201)

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: Time:

10. Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
				☐	
				☐	
				☐	
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				☐	
				☐	

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____

Date/Time: _____

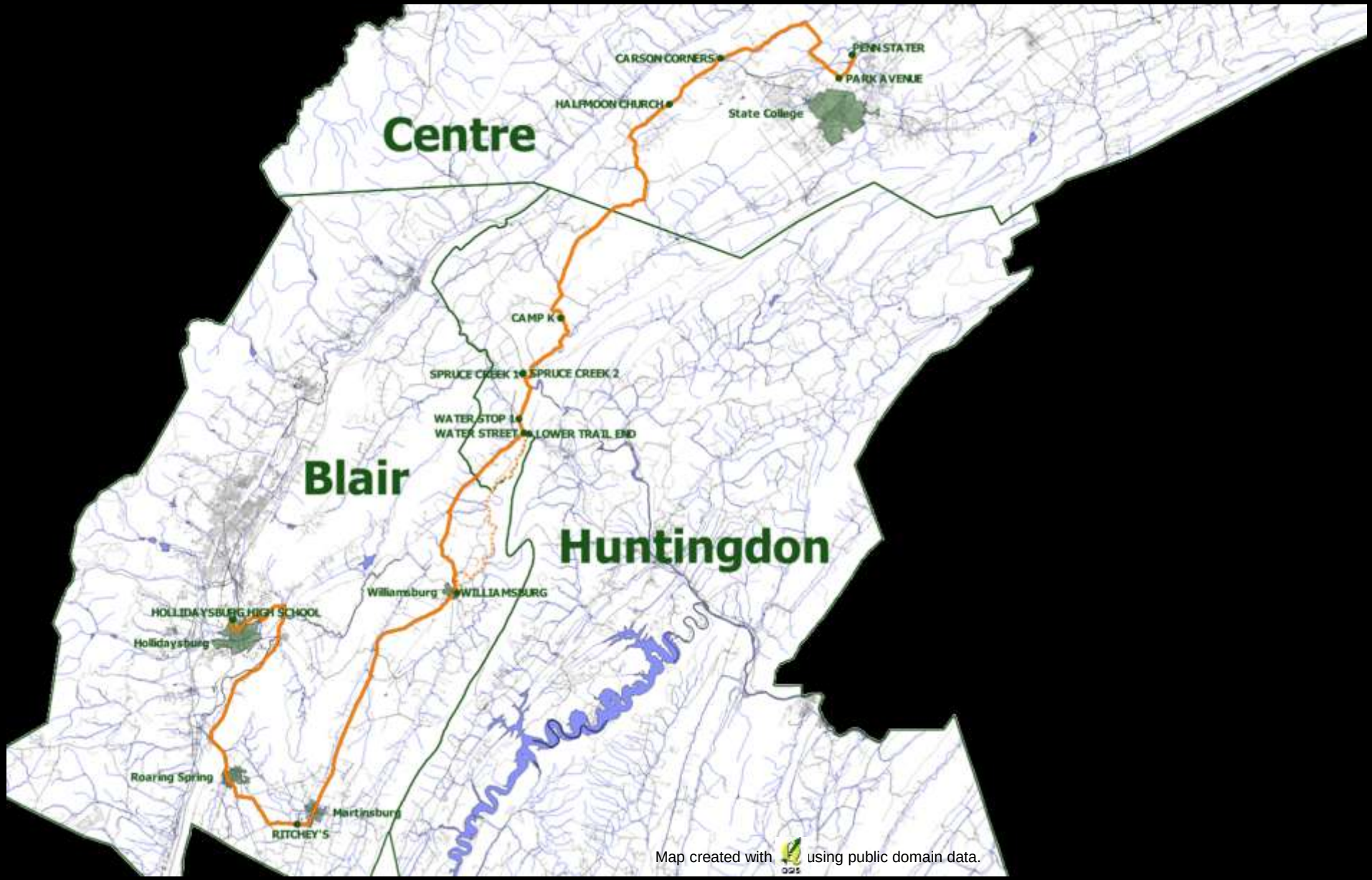
Case Study: Public Service Events and ICS

Study

Case Study: Public Service Events and ICS

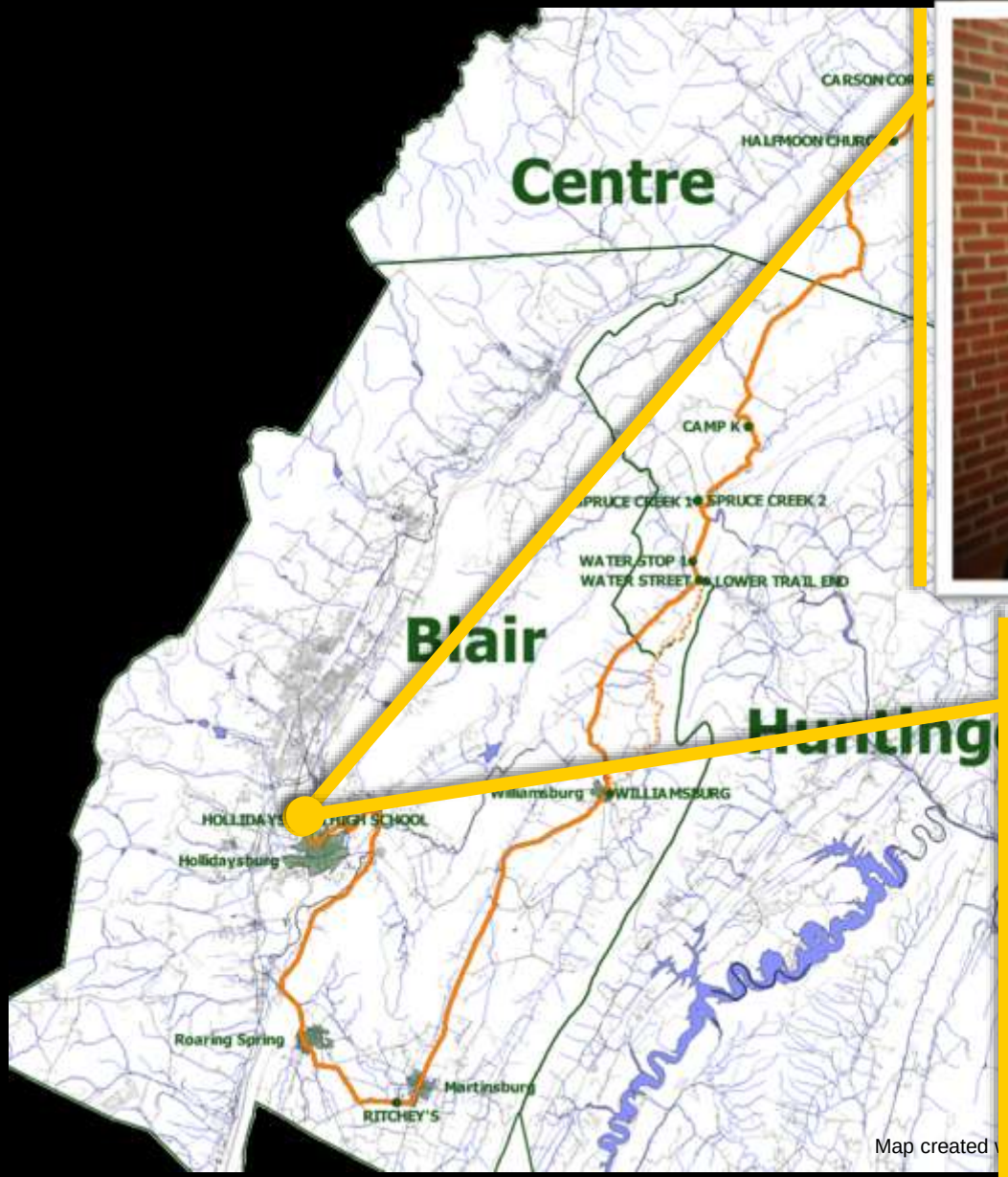
<http://buckeyes.smugmug.com/Events/Bike-Rides>

Case Study: Public Service Events and ICS



Day 1

Case Study: Public Service Events and ICS



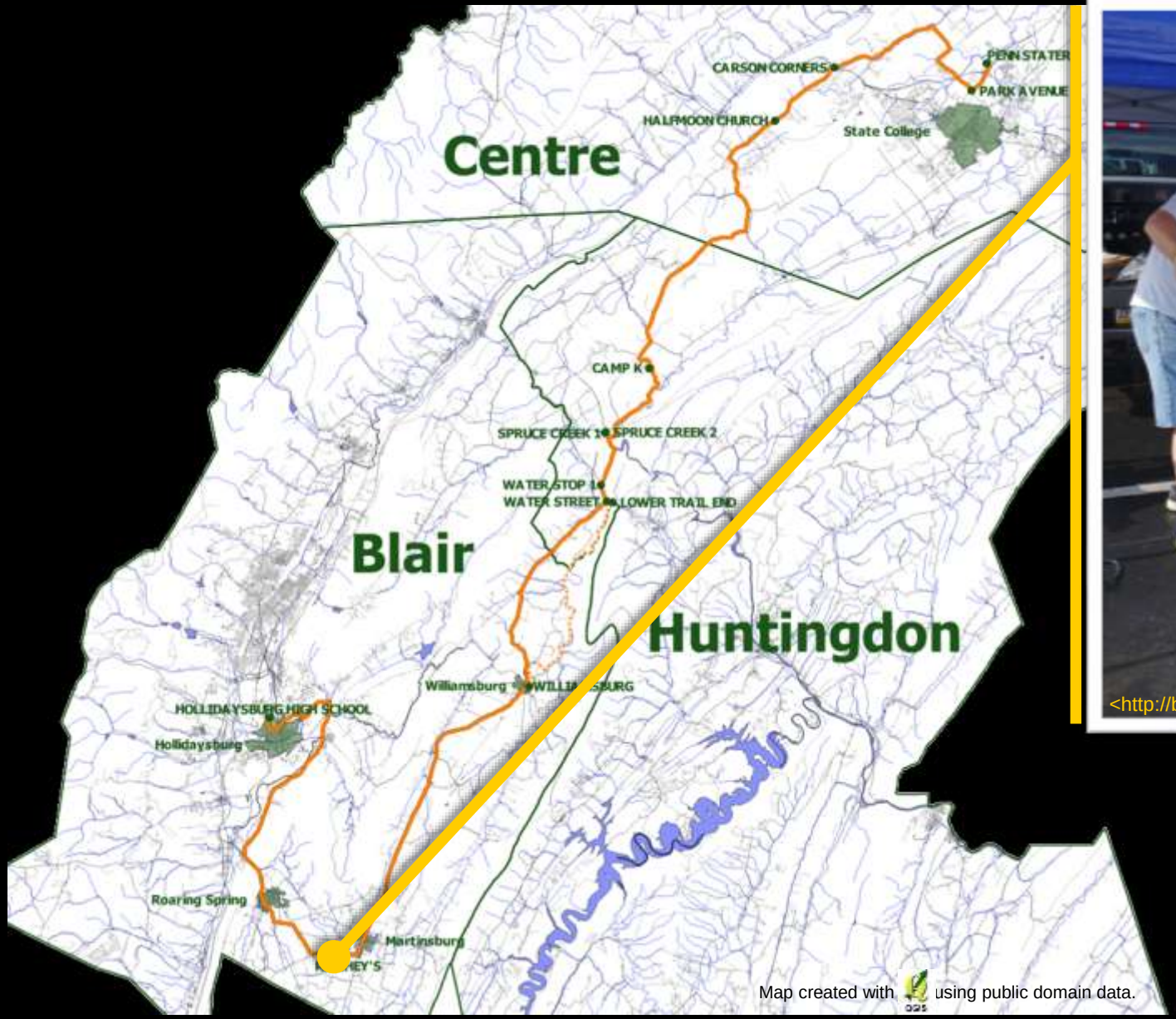
Map created w

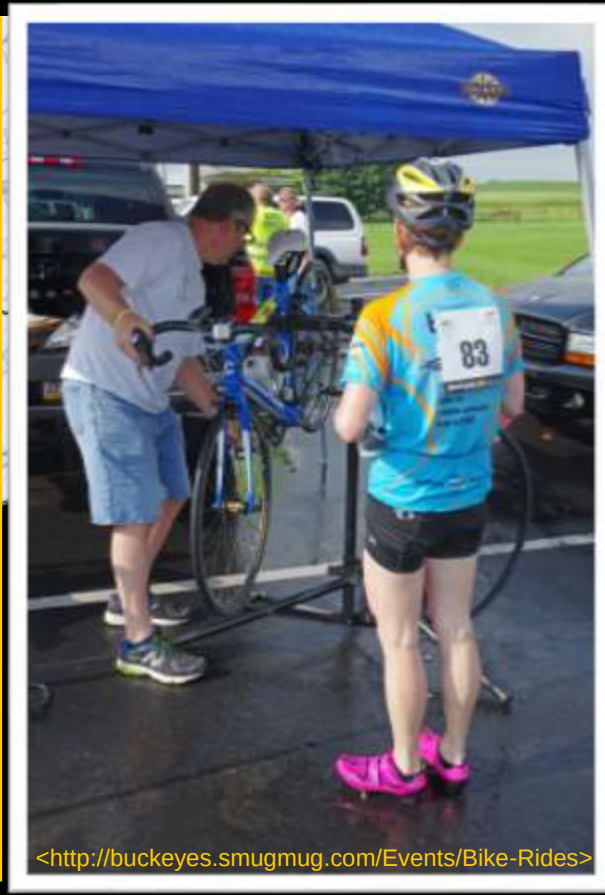
<http://buckeyes.smugmug.com/Events/Bike-Rides>

<http://buckeyes.smugmug.com/Events/Bike-Rides>

Day 1

Case Study: Public Service Events and ICS





Day 1

Case Study: Public Service Events and ICS

<http://buckeyes.smugmug.com/Events/Bike-Rides>

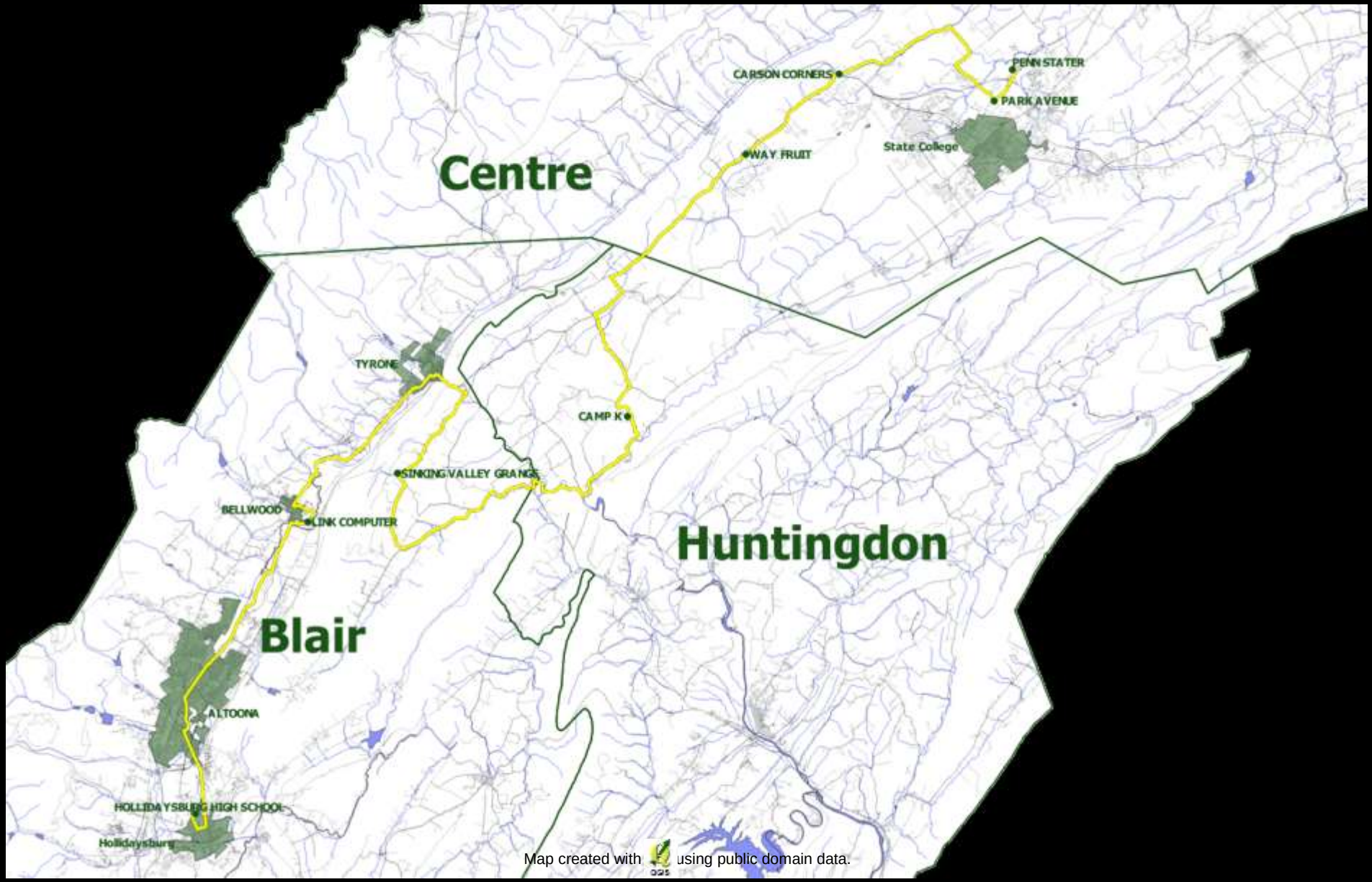
Day 1

Case Study: Public Service Events and ICS

Map created with using public domain data.

Day 1

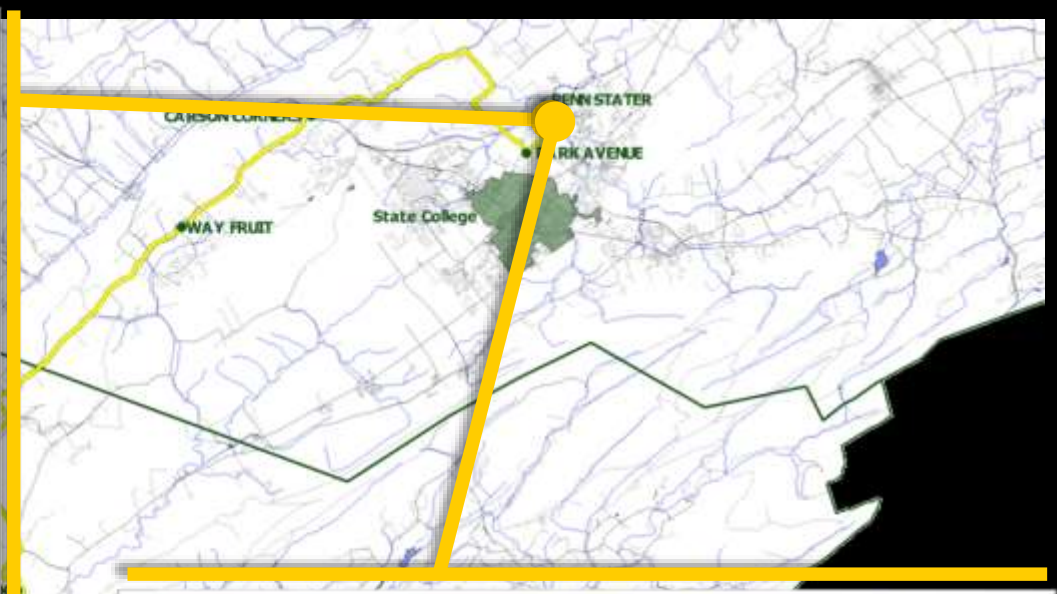
Case Study: Public Service Events and ICS

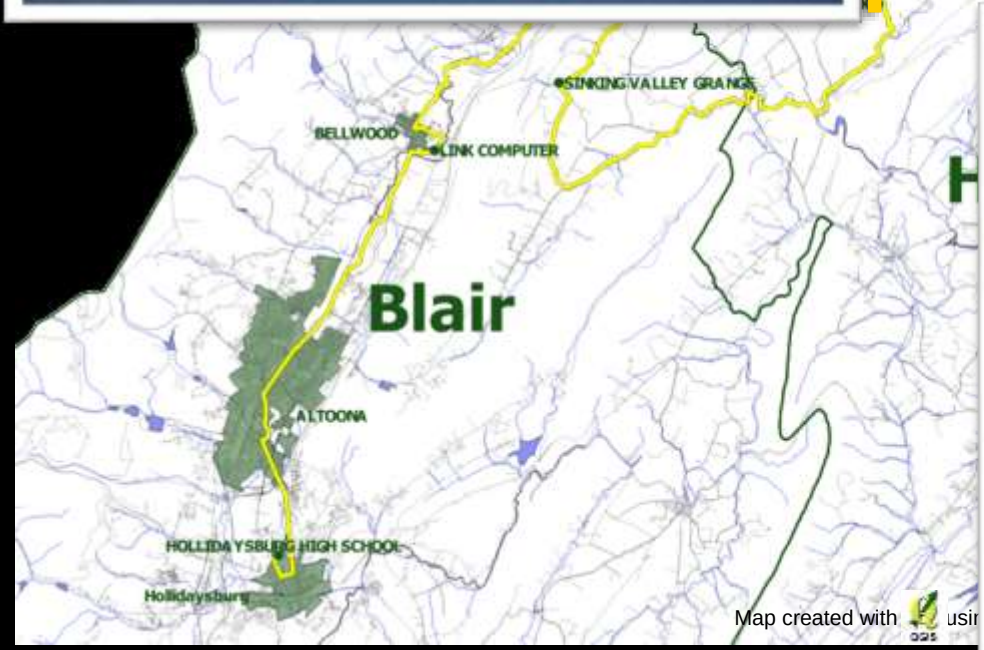


Day 2

Case Study: Public Service Events and ICS

<http://buckeyes.smugmug.com/Events/Bike-Rides>





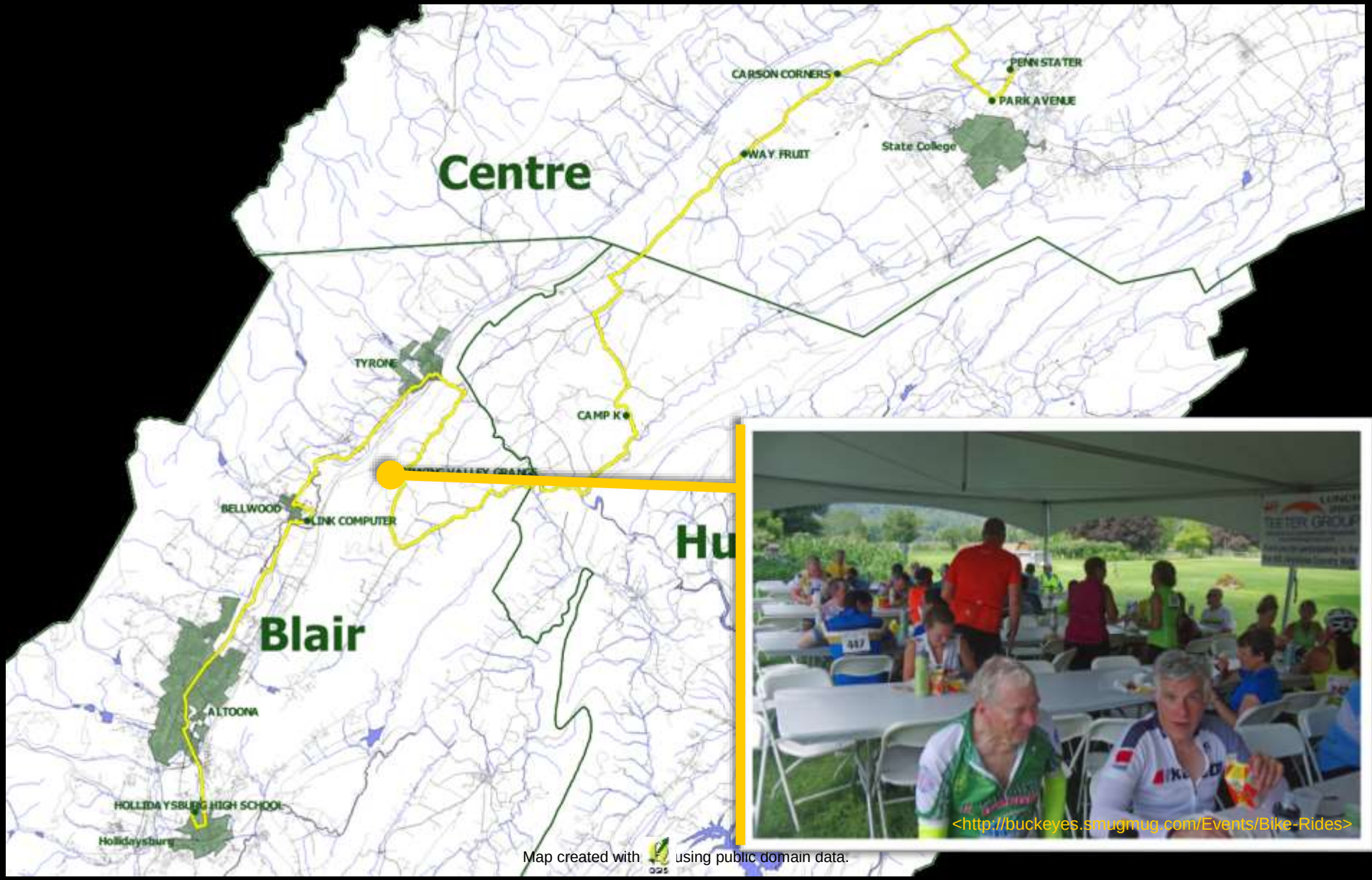
Day 2

Case Study: Public Service Events and ICS

Map

Day 2

Case Study: Public Service Events and ICS



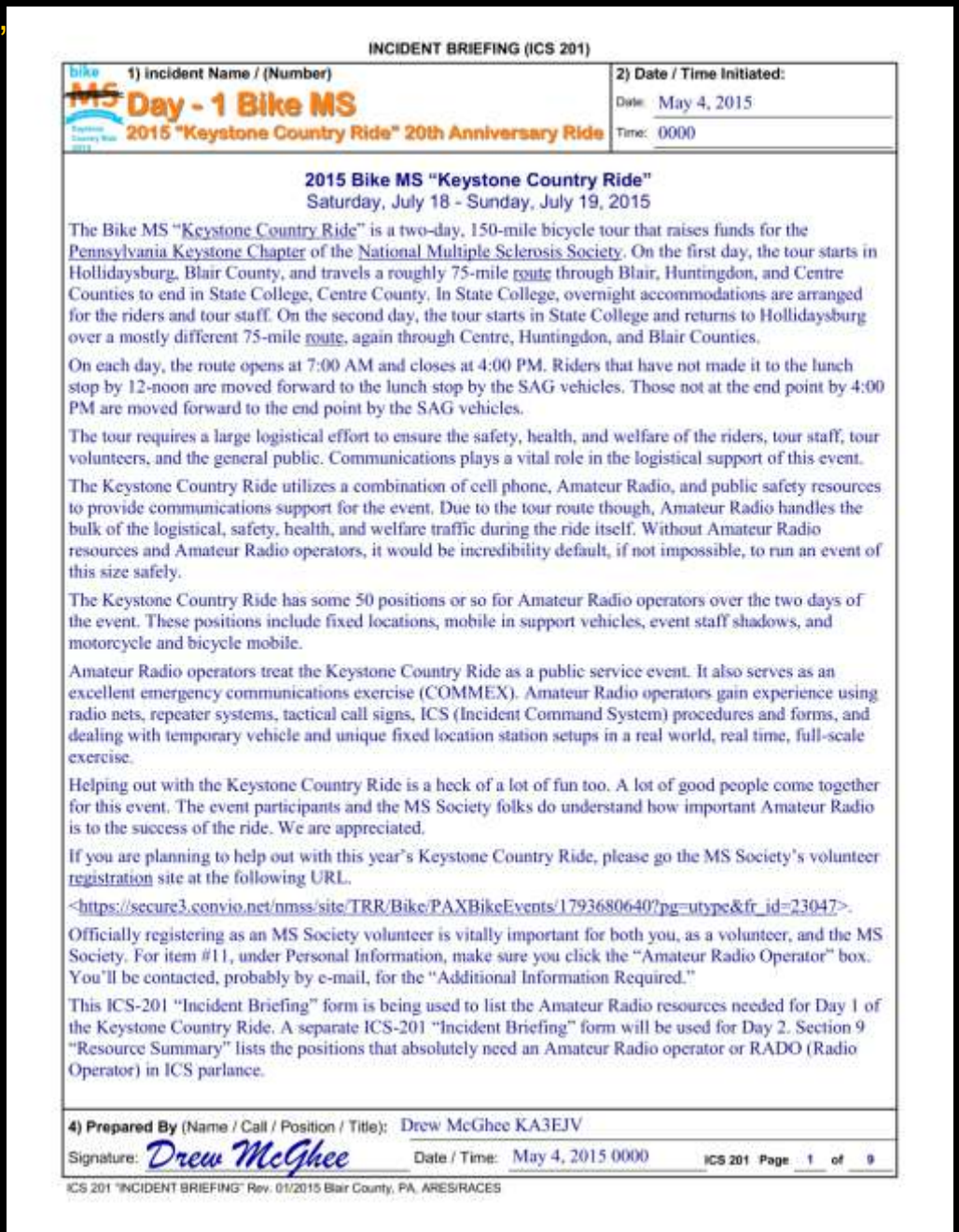
Day 2

Case Study: Public Service Events and ICS

Day 2

Case Study: Public Service Events and ICS

ICS-201 “Incident Briefing”
Page 1



INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)
~~MS~~ Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

2015 Bike MS “Keystone Country Ride”
Saturday, July 18 - Sunday, July 19, 2015

The Bike MS “Keystone Country Ride” is a two-day, 150-mile bicycle tour that raises funds for the Pennsylvania Keystone Chapter of the National Multiple Sclerosis Society. On the first day, the tour starts in Hollidaysburg, Blair County, and travels a roughly 75-mile route through Blair, Huntingdon, and Centre Counties to end in State College, Centre County. In State College, overnight accommodations are arranged for the riders and tour staff. On the second day, the tour starts in State College and returns to Hollidaysburg over a mostly different 75-mile route, again through Centre, Huntingdon, and Blair Counties.

On each day, the route opens at 7:00 AM and closes at 4:00 PM. Riders that have not made it to the lunch stop by 12-noon are moved forward to the lunch stop by the SAG vehicles. Those not at the end point by 4:00 PM are moved forward to the end point by the SAG vehicles.

The tour requires a large logistical effort to ensure the safety, health, and welfare of the riders, tour staff, tour volunteers, and the general public. Communications plays a vital role in the logistical support of this event.

The Keystone Country Ride utilizes a combination of cell phone, Amateur Radio, and public safety resources to provide communications support for the event. Due to the tour route though, Amateur Radio handles the bulk of the logistical, safety, health, and welfare traffic during the ride itself. Without Amateur Radio resources and Amateur Radio operators, it would be incredibility default, if not impossible, to run an event of this size safely.

The Keystone Country Ride has some 50 positions or so for Amateur Radio operators over the two days of the event. These positions include fixed locations, mobile in support vehicles, event staff shadows, and motorcycle and bicycle mobile.

Amateur Radio operators treat the Keystone Country Ride as a public service event. It also serves as an excellent emergency communications exercise (COMMEX). Amateur Radio operators gain experience using radio nets, repeater systems, tactical call signs, ICS (Incident Command System) procedures and forms, and dealing with temporary vehicle and unique fixed location station setups in a real world, real time, full-scale exercise.

Helping out with the Keystone Country Ride is a heck of a lot of fun too. A lot of good people come together for this event. The event participants and the MS Society folks do understand how important Amateur Radio is to the success of the ride. We are appreciated.

If you are planning to help out with this year’s Keystone Country Ride, please go the MS Society’s volunteer registration site at the following URL.

<https://secure3.convio.net/nmss/site/TRR/Bike/PAXBikeEvents/1793680640?pg=utype&fr_id=23047>.

Officially registering as an MS Society volunteer is vitally important for both you, as a volunteer, and the MS Society. For item #11, under Personal Information, make sure you click the “Amateur Radio Operator” box. You’ll be contacted, probably by e-mail, for the “Additional Information Required.”

This ICS-201 “Incident Briefing” form is being used to list the Amateur Radio resources needed for Day 1 of the Keystone Country Ride. A separate ICS-201 “Incident Briefing” form will be used for Day 2. Section 9 “Resource Summary” lists the positions that absolutely need an Amateur Radio operator or RADO (Radio Operator) in ICS parlance.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV
Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 1 of 9

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-201 "Incident Briefing"
Page 2

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
~~bike MS~~ Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

The RADO position name and tactical call is in bold caps. Underneath is the APRS designation for that position. The call sign of the Amateur Radio operator volunteering for the RADO position will be listed in the "Resource Identifier" column. The time listed under the "Date/Time Ordered" column indicates the time the RADO is expected to be set-up, ready to go, and on-the-air. The "Notes" column provides additional details for each RADO position. Note that the later part of Section 9 "Resource Summary" indicates how to identify additional RADO positions if there are Amateur Radio operators available to fill them.

For the SAG positions, you'll note an entry for "Driver." RADOs will be placed with a SAG (Support and Gear) vehicle. The SAG vehicles are usually driven by their owners; other MS Society volunteers. Thus the vehicle's owner is usually the driver. Amateur Radio operators can volunteer themselves and their vehicle as a SAG vehicle. Priority though will be to fill all of the other mobile RADO positions first. Hams who want to SAG will have to be able to handle transporting at least one bicycle and its rider. Being able to handle two or more bicycles and their riders would be a definite plus.

SAG vehicles pick-up riders that have mechanical problems, become pooped out, or fallen too far behind the other riders. Once picked-up, the riders and their bicycles are moved to the next, forward rest stop. All bike repairs are handled at the rest stops. The tired riders usually get rejuvenated at the rest stop and continue to ride. A few choose to call it quits. The SAG vehicles move those riders to the end of the route, drop them off, and get back out on the route. Weather (heat and humidity) usually determines how many riders tucker out early.

The "QRS" RADO position isn't some obscure Amateur Radio "Q" code. QRS stand for "Quick Response Service" and is an EMS (Emergency Medical Service) term. The QRS unit has an EMT (Emergency Medical Technician) and provides BLS (Basic Life Support) EMS to patients before an ambulance arrives. The QRS unit is routed to all ride related medical issues from a bee sting, rider down with "road rash," to an injured rider needing transport to a local hospital.

The "Rover" RADO position is usually handled by an Amateur Radio operator using one's own vehicle. The Rover is a jack-of-all-trades support vehicle. The Rover's function is to handle any unforeseen needs during the ride. In the past this has included looking for lost riders, moving food and water between rest stops, securing hornet spray, sweeping loose stones from the roadway, and being an extra SAG vehicle. So, being able to handle transporting at least one bicycle and its rider is a definite plus.

The "Tail End" RADO position is also usually handled by an Amateur Radio operator using one's own vehicle. Being able to handle transporting at least one bicycle and its rider is a definite plus.

All Amateur Radio volunteers, whether volunteering Saturday only, Sunday only, or for both days, are invited to the Keystone Country Ride banquet at the Penn Stater Saturday evening. Those volunteering for mobile RADO positions both Saturday and Sunday can be provided overnight lodging in State College if needed.

Additional ICS-201 forms will be issued during the run up to the tour. They will be used provide to additional information and updates.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: *Drew McGhee* Date / Time: May 4, 2015 0000 ICS 201 Page 2 of 9

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

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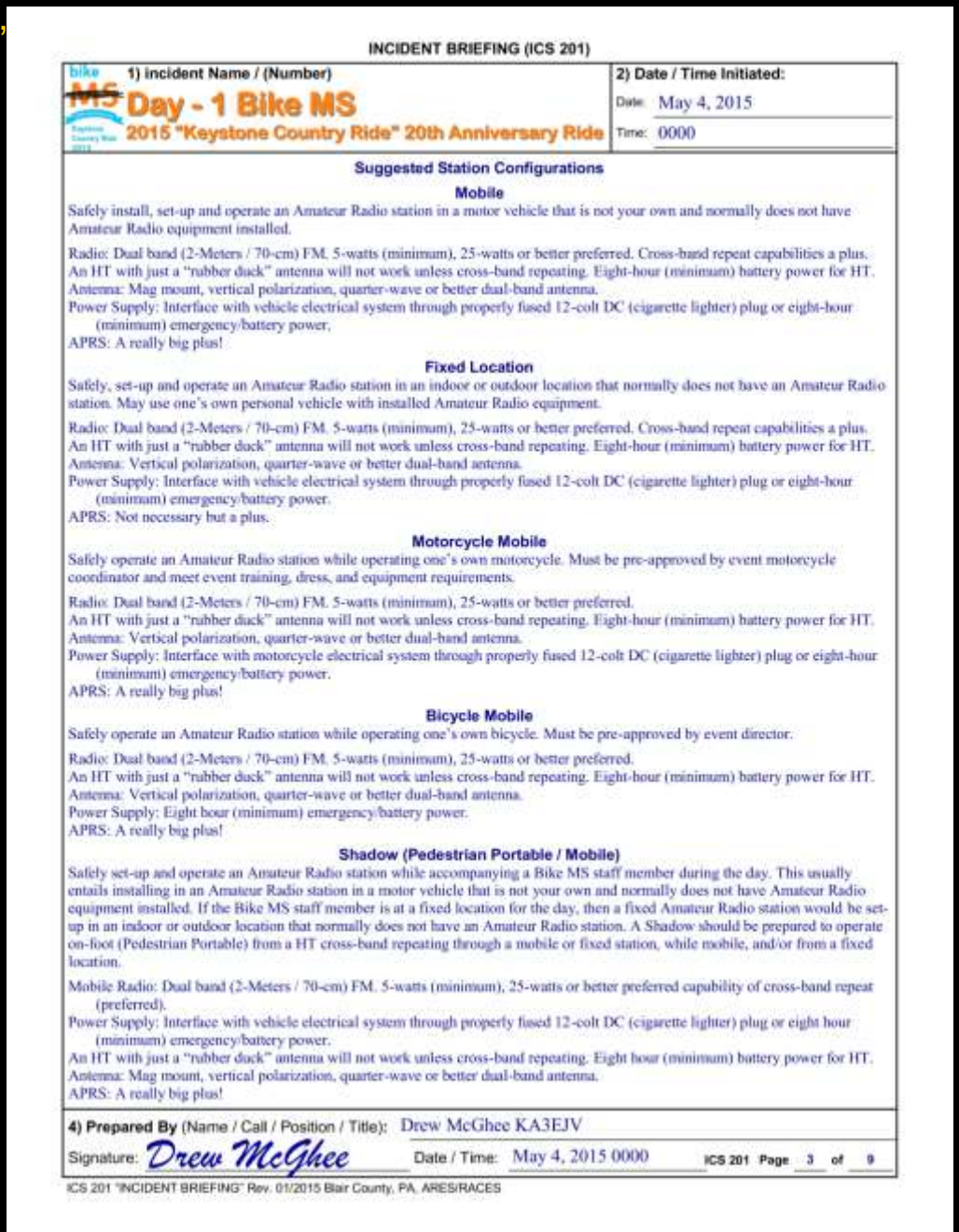
Page 3



INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)
~~MS~~ Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

Suggested Station Configurations

Mobile

Safely install, set-up and operate an Amateur Radio station in a motor vehicle that is not your own and normally does not have Amateur Radio equipment installed.

Radio: Dual band (2-Meters / 70-cm) FM. 5-watts (minimum), 25-watts or better preferred. Cross-band repeat capabilities a plus.
An HT with just a "rubber duck" antenna will not work unless cross-band repeating. Eight-hour (minimum) battery power for HT.
Antenna: Mag mount, vertical polarization, quarter-wave or better dual-band antenna.
Power Supply: Interface with vehicle electrical system through properly fused 12-colt DC (cigarette lighter) plug or eight-hour (minimum) emergency/battery power.
APRS: A really big plus!

Fixed Location

Safely, set-up and operate an Amateur Radio station in an indoor or outdoor location that normally does not have an Amateur Radio station. May use one's own personal vehicle with installed Amateur Radio equipment.

Radio: Dual band (2-Meters / 70-cm) FM. 5-watts (minimum), 25-watts or better preferred. Cross-band repeat capabilities a plus.
An HT with just a "rubber duck" antenna will not work unless cross-band repeating. Eight-hour (minimum) battery power for HT.
Antenna: Vertical polarization, quarter-wave or better dual-band antenna.
Power Supply: Interface with vehicle electrical system through properly fused 12-colt DC (cigarette lighter) plug or eight-hour (minimum) emergency/battery power.
APRS: Not necessary but a plus.

Motorcycle Mobile

Safely operate an Amateur Radio station while operating one's own motorcycle. Must be pre-approved by event motorcycle coordinator and meet event training, dress, and equipment requirements.

Radio: Dual band (2-Meters / 70-cm) FM. 5-watts (minimum), 25-watts or better preferred.
An HT with just a "rubber duck" antenna will not work unless cross-band repeating. Eight-hour (minimum) battery power for HT.
Antenna: Vertical polarization, quarter-wave or better dual-band antenna.
Power Supply: Interface with motorcycle electrical system through properly fused 12-colt DC (cigarette lighter) plug or eight-hour (minimum) emergency/battery power.
APRS: A really big plus!

Bicycle Mobile

Safely operate an Amateur Radio station while operating one's own bicycle. Must be pre-approved by event director.

Radio: Dual band (2-Meters / 70-cm) FM. 5-watts (minimum), 25-watts or better preferred.
An HT with just a "rubber duck" antenna will not work unless cross-band repeating. Eight-hour (minimum) battery power for HT.
Antenna: Vertical polarization, quarter-wave or better dual-band antenna.
Power Supply: Eight hour (minimum) emergency/battery power.
APRS: A really big plus!

Shadow (Pedestrian Portable / Mobile)

Safely set-up and operate an Amateur Radio station while accompanying a Bike MS staff member during the day. This usually entails installing in an Amateur Radio station in a motor vehicle that is not your own and normally does not have Amateur Radio equipment installed. If the Bike MS staff member is at a fixed location for the day, then a fixed Amateur Radio station would be set-up in an indoor or outdoor location that normally does not have an Amateur Radio station. A Shadow should be prepared to operate on-foot (Pedestrian Portable) from a HT cross-band repeating through a mobile or fixed station, while mobile, and/or from a fixed location.

Mobile Radio: Dual band (2-Meters / 70-cm) FM. 5-watts (mininmum), 25-watts or better preferred capability of cross-band repeat (preferred).
Power Supply: Interface with vehicle electrical system through properly fused 12-colt DC (cigarette lighter) plug or eight hour (minimum) emergency/battery power.
An HT with just a "rubber duck" antenna will not work unless cross-band repeating. Eight hour (minimum) battery power for HT.
Antenna: Mag mount, vertical polarization, quarter-wave or better dual-band antenna.
APRS: A really big plus!

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV
Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 3 of 9

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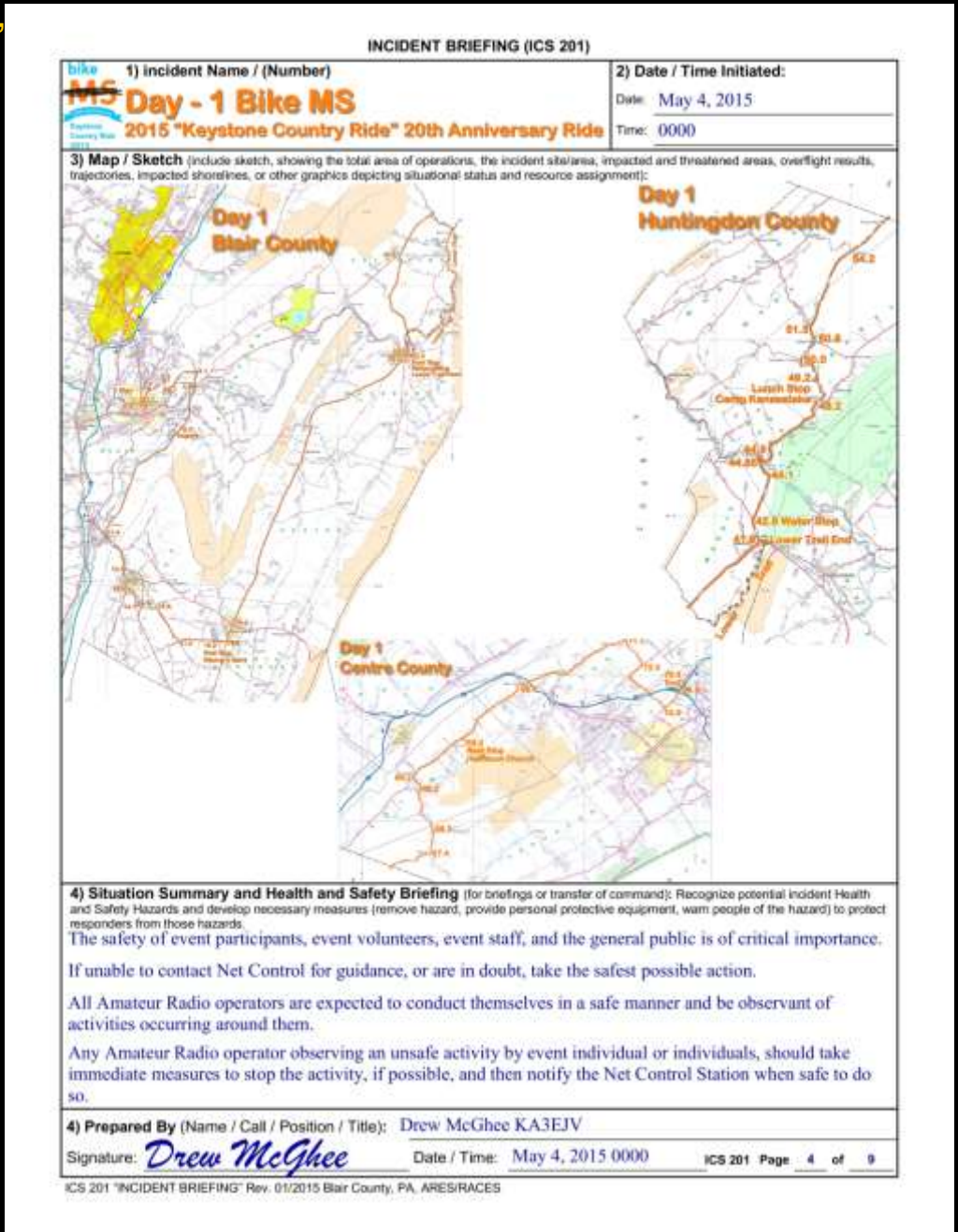

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)
Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

3) Map / Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment):

4) Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

The safety of event participants, event volunteers, event staff, and the general public is of critical importance.

If unable to contact Net Control for guidance, or are in doubt, take the safest possible action.

All Amateur Radio operators are expected to conduct themselves in a safe manner and be observant of activities occurring around them.

Any Amateur Radio operator observing an unsafe activity by event individual or individuals, should take immediate measures to stop the activity, if possible, and then notify the Net Control Station when safe to do so.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 4 of 9

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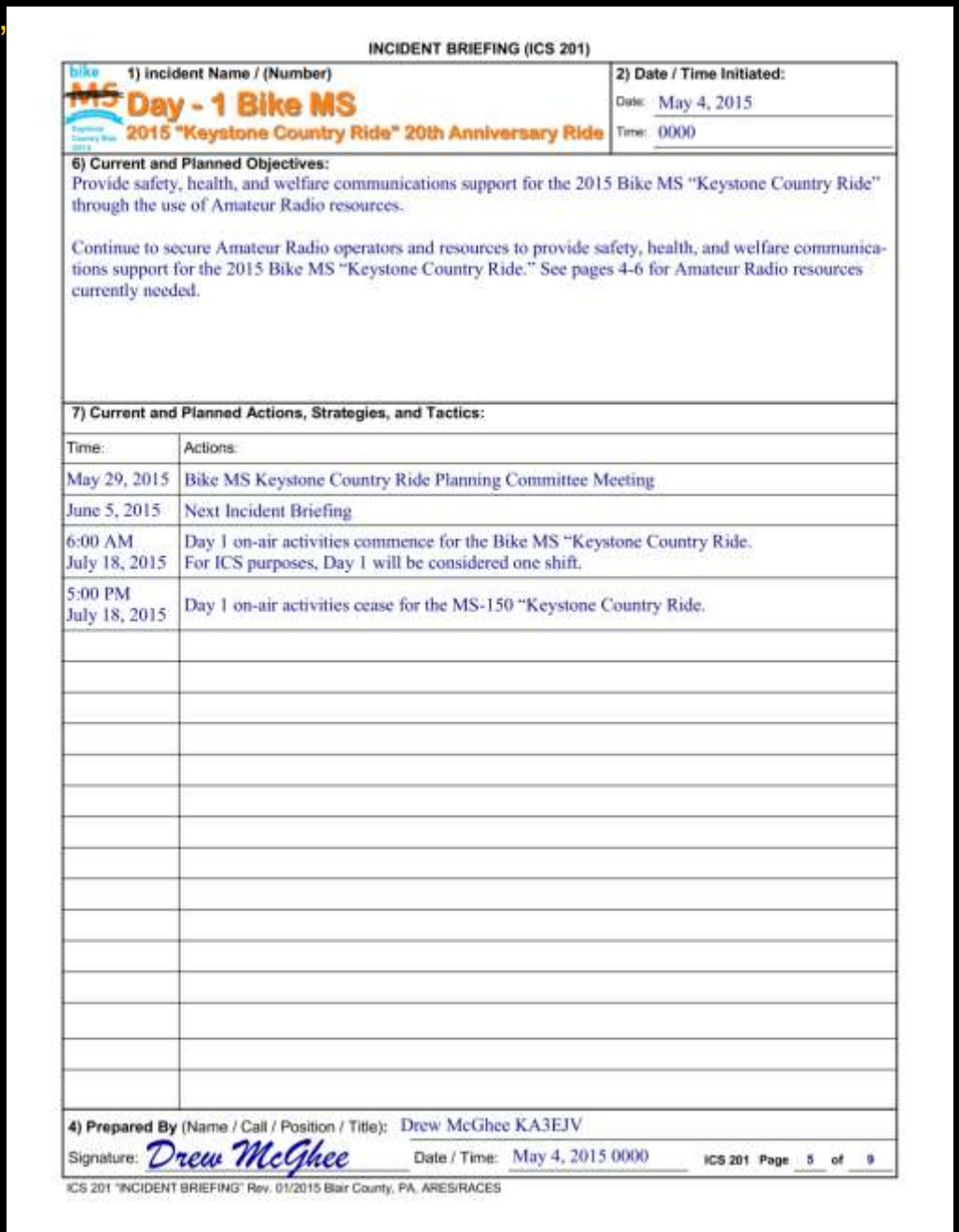

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
~~MS~~ Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

6) Current and Planned Objectives:

Provide safety, health, and welfare communications support for the 2015 Bike MS “Keystone Country Ride” through the use of Amateur Radio resources.

Continue to secure Amateur Radio operators and resources to provide safety, health, and welfare communications support for the 2015 Bike MS “Keystone Country Ride.” See pages 4-6 for Amateur Radio resources currently needed.

7) Current and Planned Actions, Strategies, and Tactics:

Time:	Actions:
May 29, 2015	Bike MS Keystone Country Ride Planning Committee Meeting
June 5, 2015	Next Incident Briefing
6:00 AM July 18, 2015	Day 1 on-air activities commence for the Bike MS “Keystone Country Ride. For ICS purposes, Day 1 will be considered one shift.
5:00 PM July 18, 2015	Day 1 on-air activities cease for the MS-150 “Keystone Country Ride.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 5 of 9

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

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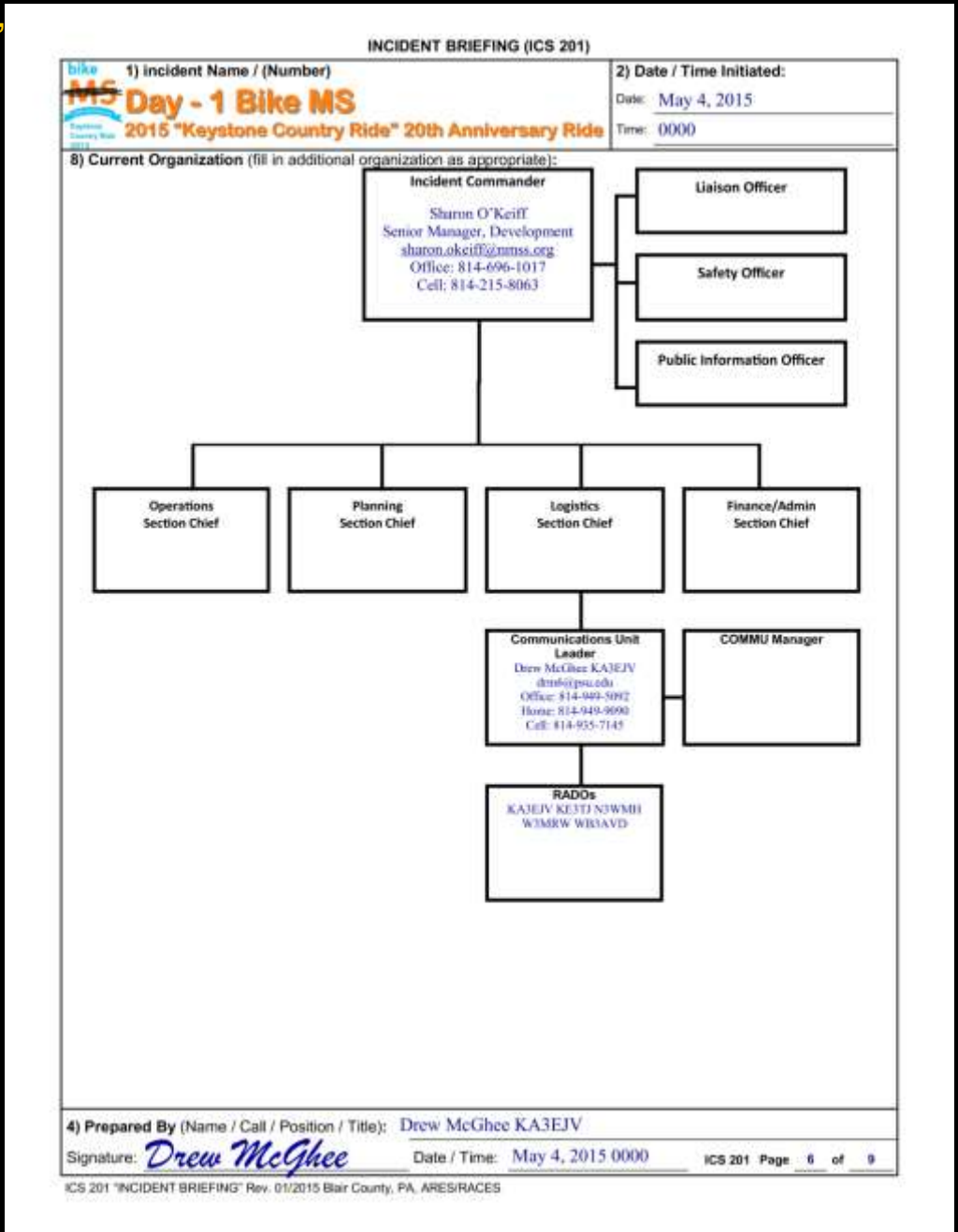

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)
Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

8) Current Organization (fill in additional organization as appropriate):

Incident Commander
Sharon O'Keiff
Senior Manager, Development
sharon.okeiff@nmss.org
Office: 814-696-1017
Cell: 814-215-8063

Liaison Officer

Safety Officer

Public Information Officer

Operations Section Chief

Planning Section Chief

Logistics Section Chief

Finance/Admin Section Chief

Communications Unit Leader
Drew McGhee KA3EJV
dmm6@psu.edu
Office: 814-949-5092
Home: 814-949-9690
Cell: 814-935-7145

COMMU Manager

RADOs
KA3EJV KE3TJ N3WMH
W3MRW WB3AVD

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: May 4, 2015 0000

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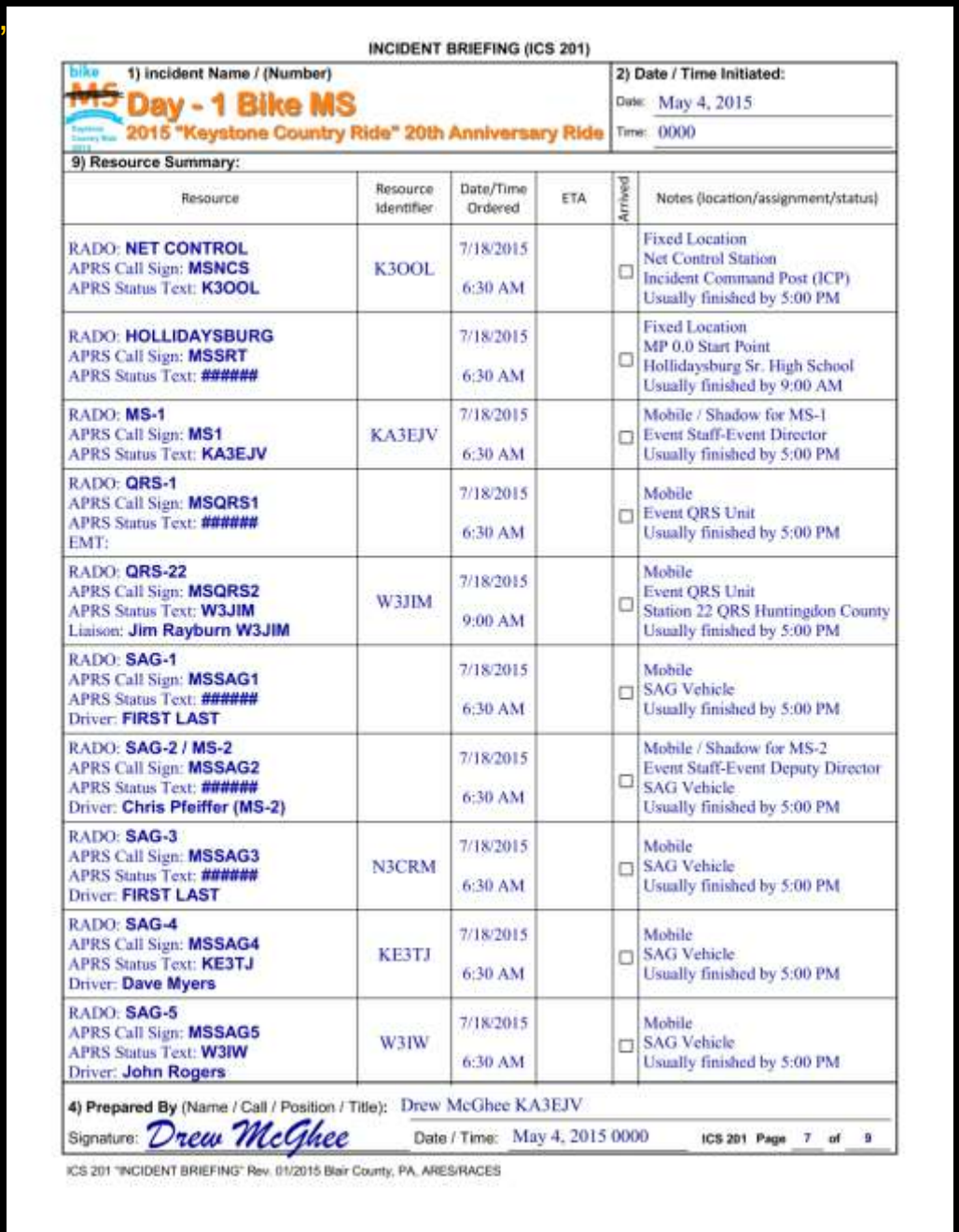

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number): ~~MS~~ Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**	K3OOL	7/18/2015 6:30 AM		☐	Fixed Location Net Control Station Incident Command Post (ICP) Usually finished by 5:00 PM
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Fixed Location MP 0.0 Start Point Hollidaysburg Sr. High School Usually finished by 9:00 AM
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**	KA3EJV	7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-1 Event Staff-Event Director Usually finished by 5:00 PM
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015 6:30 AM		☐	Mobile Event QRS Unit Usually finished by 5:00 PM
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**	W3JIM	7/18/2015 9:00 AM		☐	Mobile Event QRS Unit Station 22 QRS Huntingdon County Usually finished by 5:00 PM
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**		7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**		7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-2 Event Staff-Event Deputy Director SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**	N3CRM	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**	KE3TJ	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**	W3IW	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV
Signature: Drew McGhee
Date / Time: May 4, 2015 0000
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ICC: Incident Communications Center

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
~~MS~~ Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**	K3OOL	7/18/2015 6:30 AM		☐	Fixed Location Net Control Station Incident Command Post (ICP) Usually finished by 5:00 PM
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Fixed Location MP 0.0 Start Point Hollidaysburg Sr. High School Usually finished by 9:00 AM
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**	KA3EJV	7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-1 Event Staff-Event Director Usually finished by 5:00 PM
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015			Mobile
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**					
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**					
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**					
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**					

4) Prepared By (Name / Call / Position / Tit

Signature: *Drew McGhee*

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair Co

Centre County ACS: ARES/RACES
<http://www.aresracescentrecountypa.com/?p=518>

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IC: Incident Commander

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**	K3OOL	7/18/2015 6:30 AM		☐	Fixed Location Net Control Station Incident Command Post (ICP) Usually finished by 5:00 PM
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Fixed Location MP 0.0 Start Point Hollidaysburg Sr. High School Usually finished by 9:00 AM
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**	KA3EJV	7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-1 Event Staff-Event Director Usually finished by 5:00 PM
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015 6:30 AM		☐	Mobile Event QRS Unit Usually finished by 5:00 PM
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**	W3JIM	7/18/2015		☐	Mobile Event QRS Unit
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**					
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**					
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**					

4) Prepared By (Name / Call / Position / Tit

Signature: *Drew McGhee*

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair Co

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
~~MS~~ Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**	K3OOL	7/18/2015 6:30 AM		☐	Fixed Location Net Control Station Incident Command Post (ICP) Usually finished by 5:00 PM
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Fixed Location MP 0.0 Start Point Hollidaysburg Sr. High School Usually finished by 9:00 AM
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**	KA3EJV	7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-1 Event Staff-Event Director Usually finished by 5:00 PM
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015 6:30 AM		☐	Mobile Event QRS Unit Usually finished by 5:00 PM
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**	W3JIM	7/18/2015		☐	Mobile Event QRS Unit Station 22 ORS Huntingdon County
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**					
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**					
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**					
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**					

4) Prepared By (Name / Call / Position / Tit

Signature: *Drew McGhee*

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair Co

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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Deputy IC: Deputy Incident Commander

1) Incident Name / (Number): ~~MS~~ Day - 1 Bike MS 2015 "Keystone Country R...

9) Resource Summary:

Resource				
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**				
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**				
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**				
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:				
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**	W3JIM	7/18/2015 9:00 AM	☐	Mobile Event QRS Unit Station 22 QRS Huntingdon County Usually finished by 5:00 PM
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**		7/18/2015 6:30 AM	☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**		7/18/2015 6:30 AM	☐	Mobile / Shadow for MS-2 Event Staff-Event Deputy Director SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**	N3CRM	7/18/2015 6:30 AM	☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**	KE3TJ	7/18/2015 6:30 AM	☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**	W3IW	7/18/2015 6:30 AM	☐	Mobile SAG Vehicle Usually finished by 5:00 PM

4) Prepared By (Name / Call / Position / Title): NAME

Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 7 of 9

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1) Incident Name / (Number)
~~bike MS~~ Day - 1 Bike MS
2015 "Keystone Country R

9) Resource Summary:

Resource					
RADO: **NET CONTROL** APRS Call Sign: **MSNCS** APRS Status Text: **K3OOL**					
RADO: **HOLLIDAYSBURG** APRS Call Sign: **MSSRT** APRS Status Text: **######**					
RADO: **MS-1** APRS Call Sign: **MS1** APRS Status Text: **KA3EJV**					
RADO: **QRS-1** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:					
RADO: **QRS-22** APRS Call Sign: **MSQRS2** APRS Status Text: **W3JIM** Liaison: **Jim Rayburn W3JIM**	W3JIM	7/18/2015 9:00 AM		☐	Mobile Event QRS Unit Station 22 QRS Huntingdon County Usually finished by 5:00 PM
RADO: **SAG-1** APRS Call Sign: **MSSAG1** APRS Status Text: **######** Driver: **FIRST LAST**		7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-2 / MS-2** APRS Call Sign: **MSSAG2** APRS Status Text: **######** Driver: **Chris Pfeiffer (MS-2)**		7/18/2015 6:30 AM		☐	Mobile / Shadow for MS-2 Event Staff-Event Deputy Director SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-3** APRS Call Sign: **MSSAG3** APRS Status Text: **######** Driver: **FIRST LAST**	N3CRM	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-4** APRS Call Sign: **MSSAG4** APRS Status Text: **KE3TJ** Driver: **Dave Myers**	KE3TJ	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **SAG-5** APRS Call Sign: **MSSAG5** APRS Status Text: **W3IW** Driver: **John Rogers**	W3IW	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM

4) Prepared By (Name / Call / Position / Title): NAME
Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 7 of 9

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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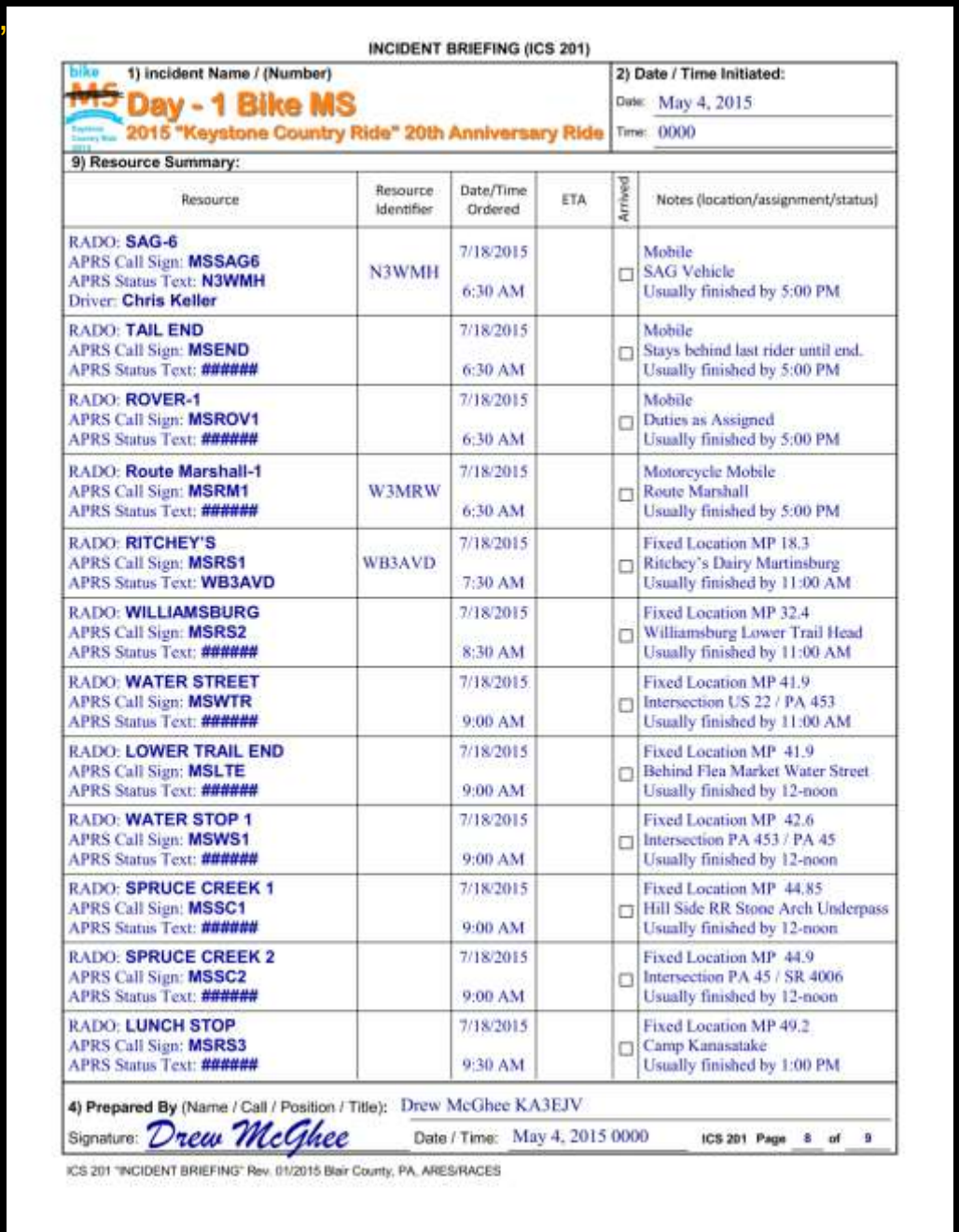

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number): ~~MS~~ Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **SAG-6** APRS Call Sign: **MSSAG6** APRS Status Text: **N3WMH** Driver: **Chris Keller**	N3WMH	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **TAIL END** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Stays behind last rider until end. Usually finished by 5:00 PM
RADO: **ROVER-1** APRS Call Sign: **MSROV1** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Duties as Assigned Usually finished by 5:00 PM
RADO: **Route Marshall-1** APRS Call Sign: **MSRM1** APRS Status Text: **######**	W3MRW	7/18/2015 6:30 AM		☐	Motorcycle Mobile Route Marshall Usually finished by 5:00 PM
RADO: **RITCHEY'S** APRS Call Sign: **MSRS1** APRS Status Text: **WB3AVD**	WB3AVD	7/18/2015 7:30 AM		☐	Fixed Location MP 18.3 Ritchey's Dairy Martinsburg Usually finished by 11:00 AM
RADO: **WILLIAMSBURG** APRS Call Sign: **MSRS2** APRS Status Text: **######**		7/18/2015 8:30 AM		☐	Fixed Location MP 32.4 Williamsburg Lower Trail Head Usually finished by 11:00 AM
RADO: **WATER STREET** APRS Call Sign: **MSWTR** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location MP 41.9 Intersection US 22 / PA 453 Usually finished by 11:00 AM
RADO: **LOWER TRAIL END** APRS Call Sign: **MSLTE** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location MP 41.9 Behind Flea Market Water Street Usually finished by 12-noon
RADO: **WATER STOP 1** APRS Call Sign: **MSWS1** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location MP 42.6 Intersection PA 453 / PA 45 Usually finished by 12-noon
RADO: **SPRUCE CREEK 1** APRS Call Sign: **MSSC1** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location MP 44.85 Hill Side RR Stone Arch Underpass Usually finished by 12-noon
RADO: **SPRUCE CREEK 2** APRS Call Sign: **MSSC2** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location MP 44.9 Intersection PA 45 / SR 4006 Usually finished by 12-noon
RADO: **LUNCH STOP** APRS Call Sign: **MSRS3** APRS Status Text: **######**		7/18/2015 9:30 AM		☐	Fixed Location MP 49.2 Camp Kanasatake Usually finished by 1:00 PM

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV
Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 8 of 9

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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **SAG-6** APRS Call Sign: **MSSAG6** APRS Status Text: **N3WMH** Driver: **Chris Keller**	N3WMH	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **TAIL END** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Stays behind last rider until end. Usually finished by 5:00 PM
RADO: **ROVER-1** APRS Call Sign: **MSROV1** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Duties as Assigned Usually finished by 5:00 PM
RADO: **Route Marshall-1** APRS Call Sign: **MSRM1** APRS Status Text: **######**	W MRW	7/18/2015 6:30 AM		☐	Motorcycle Mobile Route Marshall Usually finished by 5:00 PM
RADO: **RITCHEY'S** APRS Call Sign: **MSRS1** APRS Status Text: **WB3AVD**	WB3A VD	7/18/2015 7:30 AM		☐	Fixed Location MP 18.3 Ritchey's Dairy Martinsburg Usually finished by 11:00 AM
RADO: **WILLIAMSBURG** APRS Call Sign: **MSRS2** APRS Status Text: **######**		7/18/2015			Fixed Location MP 32.4
RADO: **WATER STREET** APRS Call Sign: **MSWTR** APRS Status Text: **######**					
RADO: **LOWER TRAIL END** APRS Call Sign: **MSLTE** APRS Status Text: **######**					
RADO: **WATER STOP 1** APRS Call Sign: **MSWS1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 1** APRS Call Sign: **MSSC1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 2** APRS Call Sign: **MSSC2** APRS Status Text: **######**					
RADO: **LUNCH STOP** APRS Call Sign: **MSRS3** APRS Status Text: **######**					

4) Prepared By (Name / Call / Position / Title): Drew

Signature: Drew McGhee Date

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<http://buckeyes.smugmug.com/Events/Bike-Rides>

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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
bike MS Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

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RADO: **TAIL END** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Stays behind last rider until end. Usually finished by 5:00 PM
RADO: **ROVER-1** APRS Call Sign: **MSROV1** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Duties as Assigned Usually finished by 5:00 PM
RADO: **Route Marshall-1** APRS Call Sign: **MSRM1** APRS Status Text: **######**	/3MRW	7/18/2015 6:30 AM		☐	Motorcycle Mobile Route Marshall Usually finished by 5:00 PM
RADO: **RITCHEY'S** APRS Call Sign: **MSRS1** APRS Status Text: **WB3AVD**	WB3AVD	7/18/2015 7:30 AM		☐	Fixed Location MP 18.3 Ritchey's Dairy Martinsburg Usually finished by 11:00 AM
RADO: **WILLIAMSBURG** APRS Call Sign: **MSRS2** APRS Status Text: **######**		7/18/2015			Fixed Location MP 32.4
RADO: **WATER STREET** APRS Call Sign: **MSWTR** APRS Status Text: **######**					
RADO: **LOWER TRAIL END** APRS Call Sign: **MSLTE** APRS Status Text: **######**					
RADO: **WATER STOP 1** APRS Call Sign: **MSWS1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 1** APRS Call Sign: **MSSC1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 2** APRS Call Sign: **MSSC2** APRS Status Text: **######**					
RADO: **LUNCH STOP** APRS Call Sign: **MSRS3** APRS Status Text: **######**					

4) Prepared By (Name / Call / Position / Title): Drew M

Signature: Drew McGhee Date

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
bike MS Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **SAG-6** APRS Call Sign: **MSSAG6** APRS Status Text: **N3WMH** Driver: **Chris Keller**	N3WMH	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **TAIL END** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Stays behind last rider until end. Usually finished by 5:00 PM
RADO: **ROVER-1** APRS Call Sign: **MSROV1** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Duties as Assigned Usually finished by 5:00 PM
RADO: **Route Marshall-1** APRS Call Sign: **MSRM1** APRS Status Text: **######**	W3MRW	7/18/2015 6:30 AM		☐	Motorcycle Mobile Route Marshall Usually finished by 5:00 PM
RADO: **RITCHEY'S** APRS Call Sign: **MSRS1** APRS Status Text: **WB3AVD**	WB3AVD	7/18/2015 7:30 AM		☐	Fixed Location MP 18.3 Ritchey's Dairy Martinsburg Usually finished by 11:00 AM
RADO: **WILLIAMSBURG** APRS Call Sign: **MSRS2** APRS Status Text: **######**		7/18/2015			Fixed Location MP 32.4
RADO: **WATER STREET** APRS Call Sign: **MSWTR** APRS Status Text: **######**					
RADO: **LOWER TRAIL END** APRS Call Sign: **MSLTE** APRS Status Text: **######**					
RADO: **WATER STOP 1** APRS Call Sign: **MSWS1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 1** APRS Call Sign: **MSSC1** APRS Status Text: **######**					
RADO: **SPRUCE CREEK 2** APRS Call Sign: **MSSC2** APRS Status Text: **######**					
RADO: **LUNCH STOP** APRS Call Sign: **MSRS3** APRS Status Text: **######**					

4) Prepared By (Name / Call / Position / Title): Dr

Signature: *Drew McGhee*

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA

<http://buckeyes.smugmug.com/Events/Bike-Rides>

Case Study: Public Service Events and ICS

ICS-201 “Incident Briefing”
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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
~~MS~~ Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **SAG-6** APRS Call Sign: **MSSAG6** APRS Status Text: **N3WMH** Driver: **Chris Keller**	N3WMH	7/18/2015 6:30 AM		☐	Mobile SAG Vehicle Usually finished by 5:00 PM
RADO: **TAIL END** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Stays behind last rider until end. Usually finished by 5:00 PM
RADO: **ROVER-1** APRS Call Sign: **MSROV1** APRS Status Text: **######**		7/18/2015 6:30 AM		☐	Mobile Duties as Assigned Usually finished by 5:00 PM
RADO: **Route Marshall-1** APRS Call Sign: **MSRM1** APRS Status Text: **######**	W3MRW	7/18/2015 6:30 AM		☐	Motorcycle Mobile Route Marshall Usually finished by 5:00 PM
RADO: **RITCHEY'S** APRS Call Sign: **MSRS1** APRS Status Text: **WB3AVD**	WB3AVD	7/18/2015 7:30 AM		☐	Fixed Location MP 18.3 Ritchey's Dairy Martinsburg Usually finished by 11:00 AM
RADO: **WILLIAMSBURG** APRS Call Sign: **MSRS2** APRS Status Text: **######**		7/18/2015 8:30 AM		☐	Fixed Location Williamsburg Usually finish
RADO: **WATER STREET** APRS Call Sign: **MSWTR** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Intersection Usually finish
RADO: **LOWER TRAIL END** APRS Call Sign: **MSLTE** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location Behind Flea M Usually finish
RADO: **WATER STOP 1** APRS Call Sign: **MSWS1** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location Intersection P Usually finish
RADO: **SPRUCE CREEK 1** APRS Call Sign: **MSSC1** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location Hill Side RR S Usually finish
RADO: **SPRUCE CREEK 2** APRS Call Sign: **MSSC2** APRS Status Text: **######**		7/18/2015 9:00 AM		☐	Fixed Location Intersection P Usually finish
RADO: **LUNCH STOP** APRS Call Sign: **MSRS3** APRS Status Text: **######**		7/18/2015 9:30 AM		☐	Fixed Location Camp Kanasat Usually finish

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: *Drew McGhee* Date / Time: May 4, 2015 0000 ICS 20

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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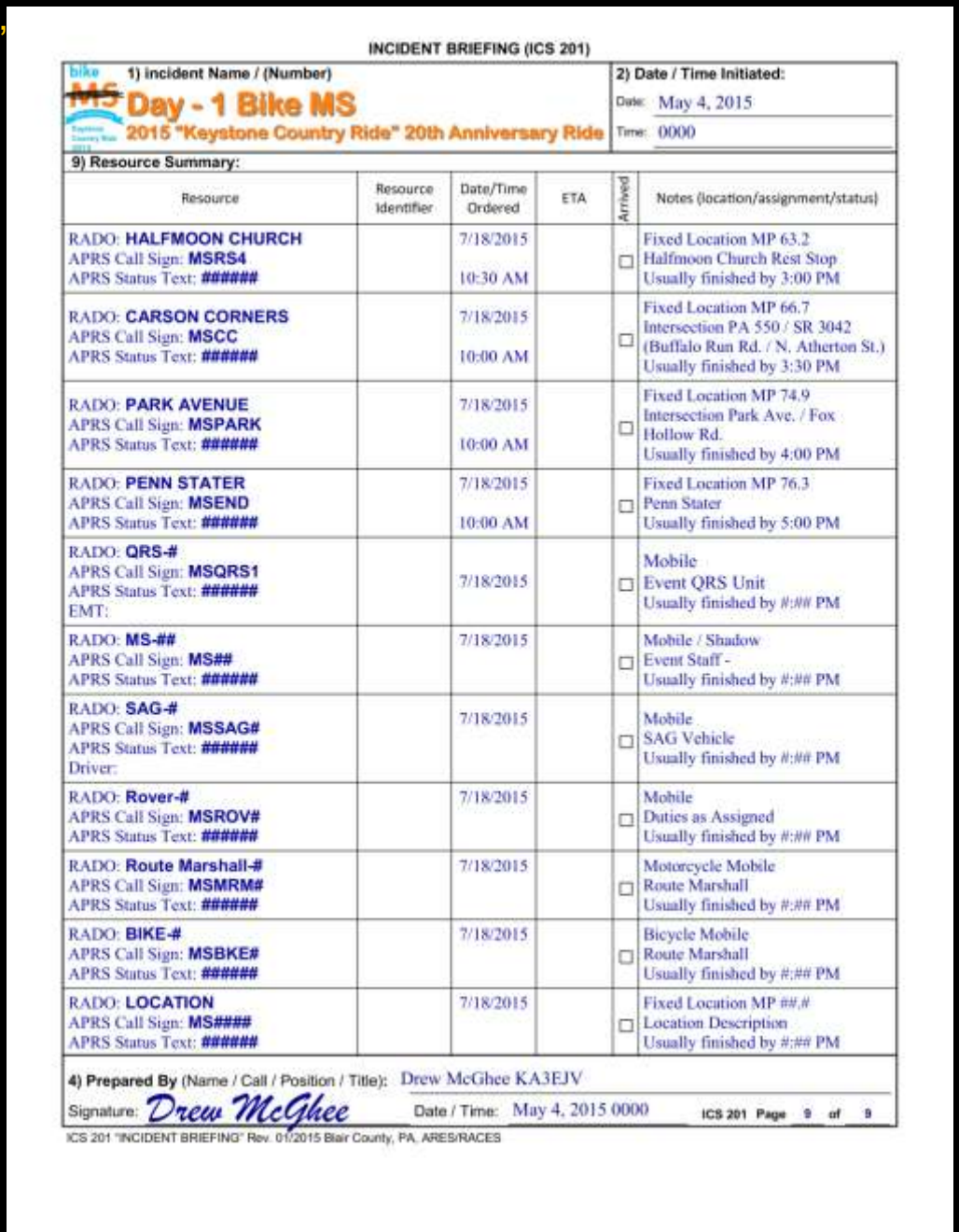

INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number): ~~MS~~ Day - 1 Bike MS
2015 "Keystone Country Ride" 20th Anniversary Ride

2) Date / Time Initiated:
Date: May 4, 2015
Time: 0000

9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **HALFMOON CHURCH** APRS Call Sign: **MSRS4** APRS Status Text: **######**		7/18/2015 10:30 AM		☐	Fixed Location MP 63.2 Halfmoon Church Rest Stop Usually finished by 3:00 PM
RADO: **CARSON CORNERS** APRS Call Sign: **MSCC** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed Location MP 66.7 Intersection PA 550 / SR 3042 (Buffalo Run Rd. / N. Atherton St.) Usually finished by 3:30 PM
RADO: **PARK AVENUE** APRS Call Sign: **MSPARK** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed Location MP 74.9 Intersection Park Ave. / Fox Hollow Rd. Usually finished by 4:00 PM
RADO: **PENN STATER** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed Location MP 76.3 Penn Stater Usually finished by 5:00 PM
RADO: **QRS-#** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015		☐	Mobile Event QRS Unit Usually finished by #:## PM
RADO: **MS-##** APRS Call Sign: **MS##** APRS Status Text: **######**		7/18/2015		☐	Mobile / Shadow Event Staff - Usually finished by #:## PM
RADO: **SAG-#** APRS Call Sign: **MSSAG#** APRS Status Text: **######** Driver:		7/18/2015		☐	Mobile SAG Vehicle Usually finished by #:## PM
RADO: **Rover-#** APRS Call Sign: **MSROV#** APRS Status Text: **######**		7/18/2015		☐	Mobile Duties as Assigned Usually finished by #:## PM
RADO: **Route Marshall-#** APRS Call Sign: **MSMRM#** APRS Status Text: **######**		7/18/2015		☐	Motorcycle Mobile Route Marshall Usually finished by #:## PM
RADO: **BIKE-#** APRS Call Sign: **MSBKE#** APRS Status Text: **######**		7/18/2015		☐	Bicycle Mobile Route Marshall Usually finished by #:## PM
RADO: **LOCATION** APRS Call Sign: **MS####** APRS Status Text: **######**		7/18/2015		☐	Fixed Location MP ##.# Location Description Usually finished by #:## PM

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV
Signature: Drew McGhee Date / Time: May 4, 2015 0000 ICS 201 Page 9 of 9

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

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INCIDENT BRIEFING (ICS 201)

1) Incident Name / (Number)	2) Date / Time Initiated:
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9) Resource Summary:

Resource	Resource Identifier	Date/Time Ordered	ETA	Arrived	Notes (location/assignment/status)
RADO: **HALFMOON CHURCH** APRS Call Sign: **MSRS4** APRS Status Text: **######**		7/18/2015 10:30 AM		☐	Fixed Location MP 63.2 Halfmoon Church Rest Stop Usually finished by 3:00 PM
RADO: **CARSON CORNERS** APRS Call Sign: **MSCC** APRS Status Text: **######**		7/18/2015 10:[illegible]AM		☐	Fixed Location MP 66.7 Intersection PA 550 / SR 3042 (Buffalo Run Rd. / N. Atherton St.) Usually fi[illegible]
RADO: **PARK AVENUE** APRS Call Sign: **MSPARK** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed Loc[illegible] Intersecti[illegible] Hollow R[illegible] [illegible]ally fi
RADO: **PENN STATER** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed [illegible] Penn Stat[illegible] Usually fi
RADO: **QRS-#** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015		☐	Mobile Event QR[illegible] Usually fi
RADO: **MS-##** APRS Call Sign: **MS##** APRS Status Text: **######**		7/18/2015		☐	Mobile / S[illegible] Event Stat[illegible] Usually fi
RADO: **SAG-#** APRS Call Sign: **MSSAG#** APRS Status Text: **######** Driver:		7/18/2015		☐	Mobile SAG Vehi[illegible] Usually fi
RADO: **Rover-#** APRS Call Sign: **MSROV#** APRS Status Text: **######**		7/18/2015		☐	Mobile Duties as [illegible] Usually fi
RADO: **Route Marshall-#** APRS Call Sign: **MSMRM#** APRS Status Text: **######**		7/18/2015		☐	Motorcycl[illegible] Route Ma[illegible] Usually fi
RADO: **BIKE-#** APRS Call Sign: **MSBKE#** APRS Status Text: **######**		7/18/2015		☐	Bicycle M[illegible] Route Ma[illegible] Usually fi
RADO: **LOCATION** APRS Call Sign: **MS####** APRS Status Text: **######**		7/18/2015		☐	Fixed Loc[illegible] Location [illegible] Usually fi

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: *Drew McGhee* Date / Time: May 4, 2015 0000

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

<http://buckeyes.smugmug.com/Events/Bike-Rides>

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Page 9

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Day - 1 Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date: May 4, 2015 Time: 0000

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RADO: **PENN STATER** APRS Call Sign: **MSEND** APRS Status Text: **######**		7/18/2015 10:00 AM		☐	Fixed Location MP 76.3 Penn Stater Usually finished by 5:00 PM
RADO: **QRS-#** APRS Call Sign: **MSQRS1** APRS Status Text: **######** EMT:		7/18/2015		☐	Mobile Event QRS Unit Usually finished by #:## PM
RADO: **MS-##** APRS Call Sign: **MS##** APRS Status Text: **######**					
RADO: **SAG-#** APRS Call Sign: **MSSAG#** APRS Status Text: **######** Driver:					
RADO: **Rover-#** APRS Call Sign: **MSROV#** APRS Status Text: **######**					
RADO: **Route Marshall-#** APRS Call Sign: **MSRM#** APRS Status Text: **######**					
RADO: **BIKE-#** APRS Call Sign: **MSBKE#** APRS Status Text: **######**					
RADO: **LOCATION** APRS Call Sign: **MS####** APRS Status Text: **######**					

4) Prepared By (Name / Call / Position / Title): Drew

Signature: Drew McGhee Date

ICS 201 "INCIDENT BRIEFING" Rev. 01/2015 Blair County, PA, ARES/RACES

<http://buckeyes.smugmug.com/Events/Bike-Rides>

Case Study: Public Service Events and ICS

ICS-117A "Communications Resource Availability Worksheet"

Page 1

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band

VHF / UHF

2) Description

Bike MS

2015 "Keystone Country Ride" 20th Anniversary Ride

3) Basic Radio Channel Information:

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
a	Simplex	APRS		144.3900 MHz W	None	Simplex	None	A	WPA APRS Frequency per WPRC and ARRL
b	Simplex	52 Simplex		146.5200 MHz W	None	Simplex	None	A	National 2-Meter Simplex Calling Frequency per ARRL
c	Simplex	Blair 54 Simplex		147.5400 MHz W	None	Simplex	None	A	Blair County Simplex Per WPA VHF Band Plan
d	Simplex	Centre 51 Simplex		145.5100 MHz W	None	Simplex	None	A	Centre County Simplex Per WPA VHF Band Plan
e	Simplex	Huntingdon 525 Simplex		147.5250 MHz W	None	Simplex	None	A	Huntingdon County Simplex Per WPA VHF Band Plan
f	Repeater	Blair 61		146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	W3QZF/R Wopsononock Mtn Blair County (HARC)
g	~~Repeater~~	~~Blair 82~~		~~146.8200 MHz W~~	~~123.0 Hz~~	~~146.2200 MHz W~~	~~123.0 Hz~~	A	~~W3QW/R Wopsononock Mtn Blair County (HARC)~~ Not available for 2015 MS-150. (1)
h	Repeater	Centre 85		146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County (NARC). To utilize W3YA/R voting receivers, you must use 146.2 Hz on transmit.
i	Repeater	Centre 85		146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	W3YA/R Little Flat Mtn Centre County (NARC). To utilize W3YA/R voting receivers, you must use 146.2 Hz on transmit.
j	Repeater	Centre 76		146.7600 MHz W	146.2 Hz	146.1600 MHz W	146.2 Hz	A	W3GA/R Rattlesnake Mtn Centre County (PARC)
k	Repeater	Centre 45		145.4500 MHz W	146.2 Hz	144.8500 MHz W	146.2 Hz	A	K3CR/R University Park Centre County (PSARC)
l	Repeater	Centre 43		146.4300 MHz W	173.8 Hz	147.4300 MHz W	173.8 Hz	M	W3PHB/R Rattlesnake Mtn Centre County (PARC) (Note +1 MHz split.) (2)
m	Repeater	Huntingdon 70		146.7000- MHz W	None	146.1000 MHz W	None	A	W3WIV/R Loop Mtn Huntingdon/Blair County (HCARC). (3)
n	Simplex	446 Simplex		446.0000 MHz W	None	Simplex	None	A	National Simplex Frequency per ARRL
o	Repeater	Dunning NU3T/R		~~443.8750 MHz W~~		~~448.8750 MHz W~~	123.0 Hz	A	NU3T/R Dunning Mtn Blair County (BKRA)
p	Repeater	Brush NU3T/R		442.1000 MHz W		447.1000 MHz W	167.9 Hz	A	NU3T/R Brush Mtn Blair County (BKRA)
q	~~Repeater~~	~~Wopsy W3VO/R~~		~~444.600 MHz W~~		~~449.6000 MHz W~~	~~123.0 Hz~~	A	~~W3VO/R Wopsononock Mtn Blair County (HARC)~~ Not available for 2015 MS 150. (1)

(1) The W3QW/R and W3VO/R are co-located with the W3SO contest station. W3QW/R and W3VO/R will be off the air for the CQ VHF Contest July 18-19, 2015.
(2) The W3WIV/R is a dual mode (FM analog/digital voice) repeater using Yaesu System Fusion. FM analog radios can still be used with this repeater Use link for additional Yaesu System Fusion repeater information.
(3) The W3WIV/R and W3VI/R are normally linked continuously. The link will be dropped during the ride. However, the W3WIV/R has an antenna issue that may limit its usefulness between Martinsburg and Camp K.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: *Drew McGhee* Date / Time: June 5, 2015 0000 ICS 117A Page 1 of 2

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

ICS 217A "COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-117A "Communications Resource Availability Worksheet"

Page 2

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET (ICS 217A)

1) Frequency / Band

VHF / UHF

2) Description

Bike MS

2015 "Keystone Country Ride" 20th Anniversary Ride

3) Basic Radio Channel Information:

	Channel Configuration	Channel Name/Trunked Radio System Talkgroup	Eligible Users	RX Freq N or W	RX Tone/ NAC	TX Freq N or W	TX Tone/ NAC	Mode A, D or M	Remarks
r	Repeater	Loop WO3T/R		442.6000 MHz W		447.6000 MHz W	123.0 Hz	A	WO3T/R Loop Mtn Blair/Huntingdon County
s	Repeater	University Park KC3R/R		443.6500 MHz W		448.6500 MHz W	146.2 Hz	A	KC3R/R University Park Centre County (PSARC)
t	Repeater	Rattlesnake N3EB/R		444.7000 MHz W		449.7000 MHz W	114.8 Hz	A	N3EB/R Rattlesnake Mtn Centre County (NARC). N3EB/R has voting receiver on Little Flat Mtn Centre County.
u	Cross-Band Repeat	XBand 400		446.4000 MHz W	123.0 Hz	446.4000 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
v	Cross-Band Repeat	XBand 425		446.4250 MHz W	123.0 Hz	446.4250 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
w	Cross-Band Repeat	XBand 450		446.4500 MHz W	123.0 Hz	446.4500 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
x	Cross-Band Repeat	XBand 475		446.4750 MHz W	123.0 Hz	446.4750 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
y	Cross-Band Repeat	XBand 500		446.5000 MHz W	123.0 Hz	446.5000 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
z	Cross-Band Repeat	XBand 525		446.5250 MHz W	123.0 Hz	446.5250 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
aa	Cross-Band Repeat	XBand 575		446.5750 MHz W	123.0 Hz	446.5750 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan
bb	Cross-Band Repeat	XBand 600		446.6000 MHz W	123.0 Hz	446.6000 MHz W	123.0 Hz	A	Cross-Band Repeat per WPRC Band Plan

(1) The W3QW/R and W3VO/R are co-located with the W3SO contest station. W3QW/R and W3VO/R will be off the air for the CQ VHF Contest July 18-19, 2015.
(2) The W3WIV/R is a dual mode (FM analog/digital voice) repeater using Yaesu System Fusion. FM analog radios can still be used with this repeater Use link for additional Yaesu System Fusion repeater information.
(3) The W3WIV/R and W3VI/R are normally linked continuously. The link will be dropped during the ride. However, the W3WIV/R has an antenna issue that may limit its usefulness between Martinsburg and Camp K.

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: June 5, 2015 0000 ICS 117A Page 2 of 2

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

ICS 217A "COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-205 “Incident Radio Communications Plan”

Page 1

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1) Incident Name / (Number)	2) Date / Time Prepared	3) Operational Period
Day - 1 2015 Bike MS "Keystone Country Ride" 20th Anniversary Ride	Date: June 5, 2015 Time: 0000	Date From: July 18, 2015 Date To: July 18, 2015 Time From: 0600 Time To: 1800

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
	a	APRS	APRS	Primary	144.3900 MHz W	None	144.3900 MHz W	None	A	Use Tactical Call Sign for APRS call sign. Enter your FCC call sign in APRS status/ text/comment field.
	b	Command	Brush NU3T/R	As Needed	442.1000 MHz W		447.1000 MHz W	167.9 Hz	A	May be used by NCS to move event staff, emergency, priority, or other traffic off of the Tactical channel.
	c	Tactical	Blair 61	Primary	146.6100 MHz W	123.0 Hz	146.0100 MHz W	123.0 Hz	A	Hollidaysburg to Ritchey"s Dairy
	d	Tactical		Primary						Ritchey's Dairy to Camp Kanasatake
	e	Tactical	Centre 85	Primary	146.8500 MHz W	146.2 Hz	146.2500 MHz W	146.2 Hz	A	Camp Kanasatake to Penn Stater
	f	Tactical	Dunning NU3T/R	Back-up	443.8750 MHz W		448.8750 MHz W	123.0 Hz	A	Hollidaysburg to Ritchey's Dairy
	g	Tactical	Loop WO3T/R	Back-up	442.6000 MHz W		447.6000 MHz W	123.0 Hz	A	Ritchey's Dairy to Camp Kanasatake
	h	Tactical	Centre 45	Back-up	145.4500 MHz W	146.2 Hz	144.8500 MHz W	146.2 Hz	A	Camp Kanasatake to Penn Stater
	i	Cross-Band	XBand 400	All Fixed Locations	446.4000 MHz W	123.0 Hz	446.4000 MHz W	123.0 Hz	A	
	j	Cross-Band	XBand 425	MS-1 / Tail End	446.4250 MHz W	123.0 Hz	446.4250 MHz W	123.0 Hz	A	

5) Special Instructions:

All frequencies used to support the MS 150 will be open for general Amateur Radio use during the MS 150.

Support for the MS 150 though will be handled as a directed net. All MS150 traffic will be routed through the MS150 Net Control Station (NCS) unless directed otherwise.

Most Command/Control decisions should be able to be handled on the Tactical channels. Should the need arise though, the NCS can move the appropriate stations to the Command channel for consultation and coordination with event staff.

All stations are encouraged to use cross-band repeat to provide continuous communications while out of a vehicle or flexibility at fixed locations. To prevent interference between stations, please use assigned cross-band frequency.

6) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: June 5, 2015

IAP Page ___ of ___

ICS 205 Page 1 of 2

ICS 205 "INCIDENT RADIO COMMUNICATIONS PLAN" Rev. 01/2015 Blair County, PA. ARES/RACES

Case Study: Public Service Events and ICS

ICS-205 "Incident Radio Communications Plan"

Page 2

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1) Incident Name / (Number)	2) Date / Time Prepared	3) Operational Period
Day - 1 2015 Bike MS "Keystone Country Ride" 20th Anniversary Ride	Date: June 5, 2015 Time: 0000	Date From: July 18, 2015 Date To: July 18, 2015 Time From: 0600 Time To: 1800

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
	k	Cross-Band	XBand 450	QRS	446.4500 MHz W	123.0 Hz	446.4500 MHz W	123.0 Hz	A	
	l	Cross-Band	XBand 475	SAG 1	446.4750 MHz W	123.0 Hz	446.4750 MHz W	123.0 Hz	A	
	m	Cross-Band	XBand 500	SAG 2	446.5000 MHz W	123.0 Hz	446.5000 MHz W	123.0 Hz	A	
	n	Cross-Band	XBand 525	SAG 3	446.5250 MHz W	123.0 Hz	446.5250 MHz W	123.0 Hz	A	
	o	Cross-Band	XBand 400	SAG 4	446.5500 MHz W	123.0 Hz	446.5500 MHz W	123.0 Hz	A	
	p	Cross-Band	XBand 575	SAG 5	446.5750 MHz W	123.0 Hz	446.5750 MHz W	123.0 Hz	A	
	q	Cross-Band	XBand 600	SAG 6	446.6000 MHz W	123.0 Hz	446.6000 MHz W	123.0 Hz	A	

5) Special Instructions:

All frequencies used to support the MS 150 will be open for general Amateur Radio use during the MS 150.

Support for the MS 150 though will be handled as a directed net. All MS150 traffic will be routed through the MS150 Net Control Station (NCS) unless directed otherwise.

Most Command/Control decisions should be able to be handled on the Tactical channels. Should the need arise though, the NCS can move the appropriate stations to the Command channel for consultation and coordination with event staff.

All stations are encouraged to use cross-band repeat to provide continuous communications while out of a vehicle or flexibility at fixed locations. To prevent interference between stations, please use assigned cross-band frequency.

6) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: June 5, 2015

IAP Page ___ of ___

ICS 205 Page 2 of 2

ICS 205 "INCIDENT RADIO COMMUNICATIONS PLAN" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-205T "Telephone Contact List"

Page 1

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

Bike MS 2015 "Keystone Country Ride"
20th Anniversary Ride

2) Operational Period

Date From: July 18, 2015 Date To: July 19, 2015

Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Jack Clark KA3HOZ 819 Mifflin Street, Huntingdon, PA 16652	Huntingdon			814-423-1060	
Tom Cooney Jr. W3SF 4006 Cortland Avenue, Altoona, PA 16601	Blair	814-626-1531	814-695-5521 x851215	814-931-0060	tom@cooneyjr.com
Steve Elliot KA3UDR 368 Rest Home Road, Manns Choice, PA 15550	Bedford	814-623-6147		814-977-5007	ka3udr@centurylink.net
John Garber AB3QW 2845 Grandview Road, Tyrone, PA 16686	Blair			814-931-3272	gnw@nb.net
Frank Harchak KB3IWJ 105 Bell Avenue, Altoona, PA 16602	Blair		814-949-9210	814-215-5110	robin@dayonealtoona.org
Eric Hilbert KE3TJ 1231 Madison Avenue, Altoona, PA 16602	Blair	814-942-7564		814-932-7468	ke3tjVE@outdrs.net
John Hogenmiller KB3DFZ 300 Cumberland Road, Bedford, PA 15522	Bedford			814-602-9298	john@hogenmiller.net
Robin Hogenmiller KC3EXR 300 Cumberland Road, Bedford, PA 15522	Bedford			814-330-3359	robin@hogenmiller.net
Ted Holland WB3AVD 1172 Old Route 22, Duncansville, PA 16635	Blair	814-695-4821	814-943-7508		tedwb3avd@netzero.net
Karl Hosterman K3ARL 175 Whisper Ridge Drive, Port Matilda, PA 16870	Centre		814-355-4818	814-571-8080	karl@centrecommonline.com
Lisa Hilbert Keller N3WMH 422 South 2nd Street, Philipsburg, PA 16866	Centre			814-777-3292	lisapsu08@gmail.com
Chris Keller (N3WMH Husband) 422 South 2nd Street, Philipsburg, PA 16866	Centre			814-404-8758	snafug36@gmail.com

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: July 14, 2015 0000

ICS 205T Page 1 of 4

ICS 205T "TELEPHONE CONTACT LIST" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-205T "Telephone Contact List"

Page 2

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

Bike MS 2015 "Keystone Country Ride"
20th Anniversary Ride

2) Operational Period

Date From: July 18, 2015 Date To: July 19, 2015

Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Andy Ketner N3OGT 38 East Milford Street, Mount Union, PA 17066	Huntingdon			814-599-0991	aketner@localnet.com
Joyce Kreuter AA3SQ 319 McBath Street, State College, PA 16801	Centre	814-234-6852		814-441-8077	jekreuter@comcast.net
Rodney "Rod" Kreuter WA3ENK 319 McBath Street, State College, PA 16801	Centre	814-234-6852			rak10@psu.edu
Mark Leibfreid KC3CMF 125 Back Springs Road, Bedford, PA 15522	Bedford			814-977-3536	kc3mf@gmail.com
Patti Leibfreid KC3DNA 125 Back Springs Road, Bedford, PA 15522	Bedford			814-977-3535	stim8r@comcast.net
Chuck Maggi N3CRM 591 Devonshire Drive, State College, PA 16803	Centre	814-237-5900		814-883-2989	n3crm@yahoo.com
Frances Mateycik WA3ENK 903 Greenich Street, Johnstown, PA, 15902	Cambria		814-949-5177	203-209-3637	fam13@psu.edu
Kent Matsueda K3NTS 127 McKivison Court, State College, PA 16803	Centre				
Drew McGhee KA3EJV 1832 Timberline Drive Extension, Altoona, PA 16601	Blair	814-949-9090	814-949-5092	814-935-7145	drm6@psu.edu
Joe Meyash W3WIV 310 15th Street, Huntingdon, PA 16652	Huntingdon	814-542-5160			
Craig Miller K3OOL 134 Oakwood Drive, State College, PA 16801	Centre	814-237-9407			K3OOL@yahoo.com
Carmen Peca WO3T 186 High Point Drive, Williamsburg, PA 16693	Blair	814-832-2246			carmenpeca@comcast.net

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: July 14, 2015 0000

ICS 205T Page 2 of 4

ICS 205T "TELEPHONE CONTACT LIST" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-205T "Telephone Contact List"

Page 3

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)

Bike MS 2015 "Keystone Country Ride"
20th Anniversary Ride

2) Operational Period

Date From: July 18, 2015 Date To: July 19, 2015

Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Carmine Prestia K3CWP 1265 Smithfield Street, PO Box 332, State College, PA 16804	Centre	814-238-7857	814-231-1420	814-574-0108	carmine.prestia@gmail.com
Joe Prugh AB3LP 205 Main Street, Manns Choice, PA 15550	Bedford	814-624-0303		814-979-6277	jprugh@embarqmail.com
Cindy Prugh KC3BSZ 205 Main Street, Manns Choice, PA 15550	Bedford	814-624-0303		814-979-6276	jprugh@embarqmail.com
Jim Rayburn W3JIM 1812 Centre Line Road., Warriors Mark, PA 16877	Centre	814-632-3931		814-359-6232	w3jim@arrl.net
Scott Rhoat KC3EHQ 205 Lakeview Drive, Howard, PA 16841	Centre	814-625-2204		814-571-1112	ssrhoat@comcast.net
Lloyd Roach K3QNT 120 W Watson Street, Bedford, PA 15522	Bedford	814-310-2415		610-420-3023	k3qnt@aol.com
John Rogers W3IW 538 Tioga Street, Johnstown, PA 15905	Cambria	814-539-2295		814-659-9087	rogersj@atlanticbb.net
Mark Schreiner NK8Q 3002 Broadmoor Lane, State College, PA 16801	Centre			484-894-6948	mark.j.schreiner@gmail.com
Rory Stenerson KR3ORY 151 Black Bear Lane, State College, PA 16803	Centre	814-234-4524		814-880-1485	KR3ORY@comcast.net
Gordon Vanauken KC0QJX 210 Edward Drive, Bellefonte, PA 16823	Centre	814-355-7109		814-574-1186	kc0qjx@vansweb.net
Ryan Vanauken KB3VDG 210 Edward Drive, Bellefonte, PA 16823	Centre				Ryan@vansweb.net
Michael "Mike" Wall W3MRW 3940 Maple Avenue, Altoona, PA 16601	Blair	814-946-8974	814-940-5906	814-381-5378	w3mrw@atlanticbb.net

4) Prepared By (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: July 14, 2015 0000

ICS 205T Page 3 of 4

ICS 205T "TELEPHONE CONTACT LIST" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

ICS-205T "Telephone Contact List"

Page 4

TELEPHONE CONTACT LIST (ICS 205T)

1) Incident Name / (Number)	2) Operational Period
Bike MS 2015 "Keystone Country Ride" 20th Anniversary Ride	Date From: July 18, 2015 Date To: July 19, 2015 Time From: 0000 Time To: 2400

3) Basic Contact Information

Not For Public Release

Name / Call Sign	Agency	Home Phone	Work Phone	Cell Phone	E-mail
Bob Young KC3CMI 1488 Monroe Mountain Road, Clearville, PA 15535	Bedford			814-494-0521	bob@get-wireless.us
Kenneth Burtnett WB3JEK 409 North Richard Street, Bedford, PA 15522	Bedford				redduck@embarqmail.com

4) **Prepared By** (Name / Call / Position / Title): Drew McGhee KA3EJV

Signature: Drew McGhee Date / Time: July 14, 2015 0000

ICS 205T Page 4 of 4

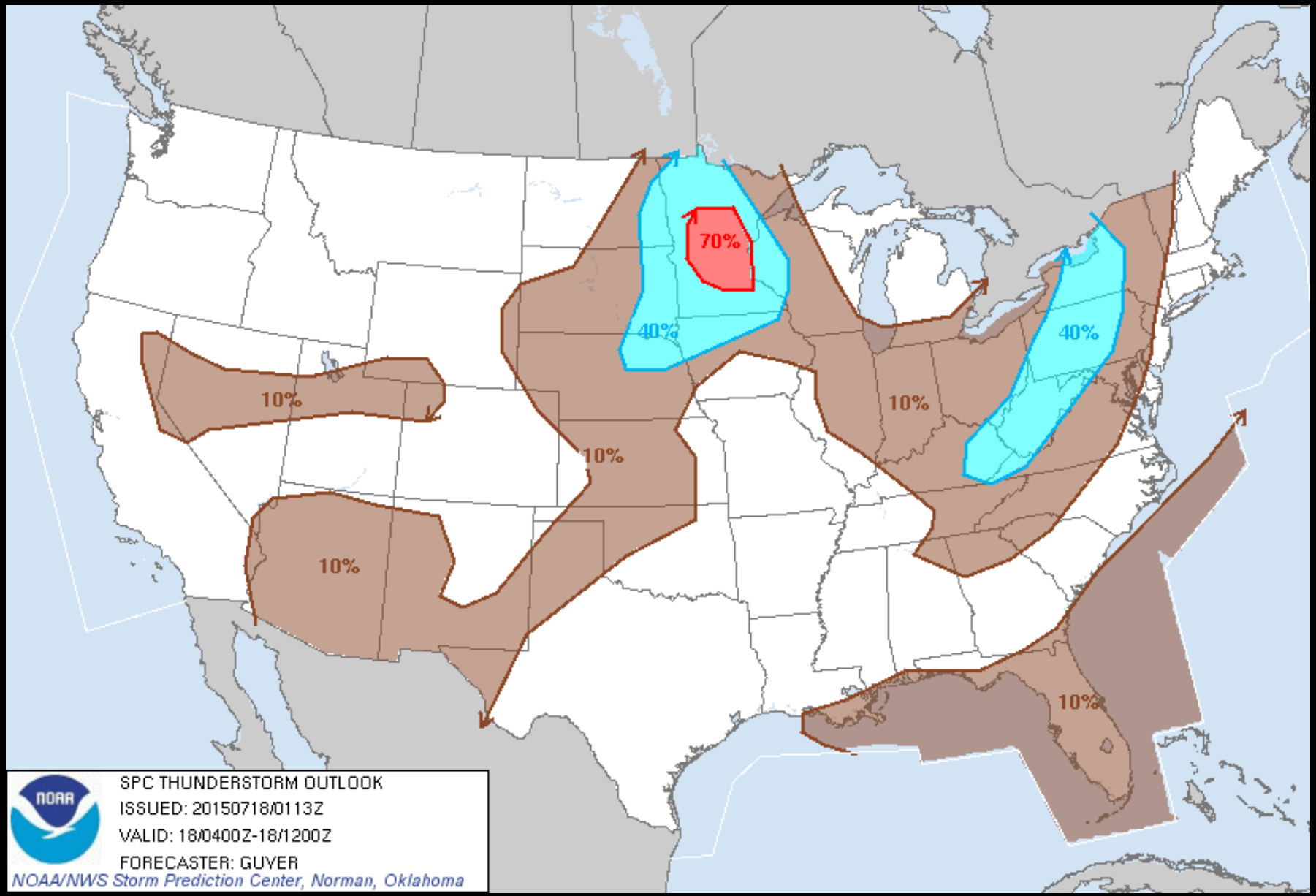
ICS 205T "TELEPHONE CONTACT LIST" Rev. 01/2015 Blair County, PA, ARES/RACES

Case Study: Public Service Events and ICS

and Then!

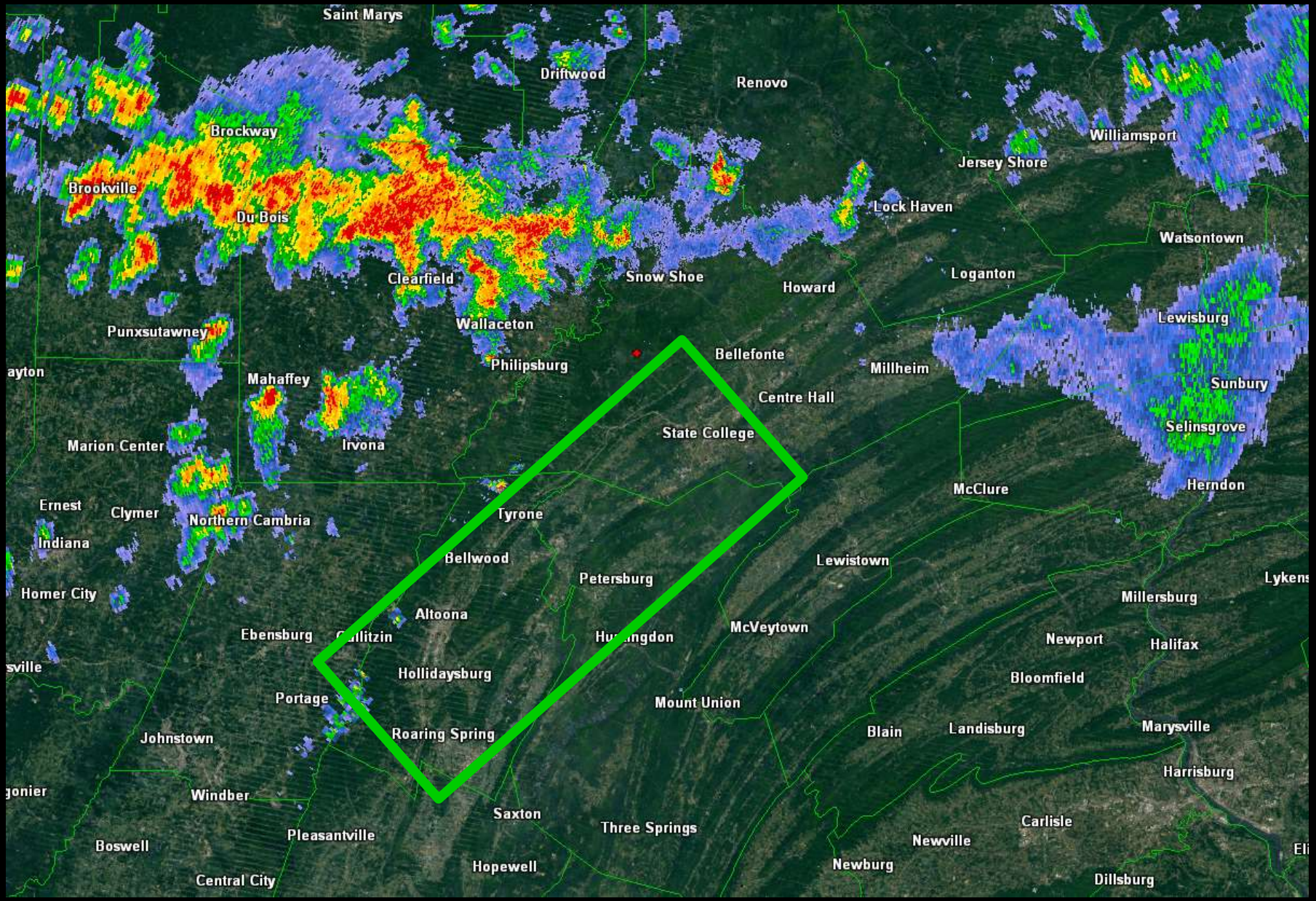
Day 1

Case Study: Public Service Events and ICS



Day 1

Case Study: Public Service Events and ICS



Day 1

Case Study: Public Service Events and ICS

FLOOD ADVISORY
NATIONAL WEATHER SERVICE STATE COLLEGE PA
451 AM EDT SAT JUL 18 2015

THE NATIONAL WEATHER SERVICE IN STATE COLLEGE PA HAS ISSUED A

* SMALL STREAM FLOOD ADVISORY FOR...
NORTHERN BLAIR COUNTY IN CENTRAL PENNSYLVANIA...
NORTHERN HUNTINGDON COUNTY IN CENTRAL PENNSYLVANIA...

* UNTIL 745 AM EDT

* AT 448 AM EDT...DOPPLER RADAR INDICATED HEAVY RAIN DUE TO
THUNDERSTORMS. THIS WILL CAUSE SMALL STREAM FLOODING IN THE ADVISORY AREA.

* SOME LOCATIONS THAT WILL EXPERIENCE FLOODING INCLUDE...
ALTOONA...HUNTINGDON...TYRONE...BALD EAGLE...BELLWOOD...
BIRMINGHAM...FRANKLINVILLE...MCALEVYS FORT...SINKING VALLEY...SPRUCE CREEK...TIPTON...WARRIORS
MARK...WHIPPLE DAM STATE PARK... ALEXANDRIA...PETERSBURG...DELGROSSO'S AMUSEMENT
PARK...JUNIATA COLLEGE AND PENN STATE ALTOONA.

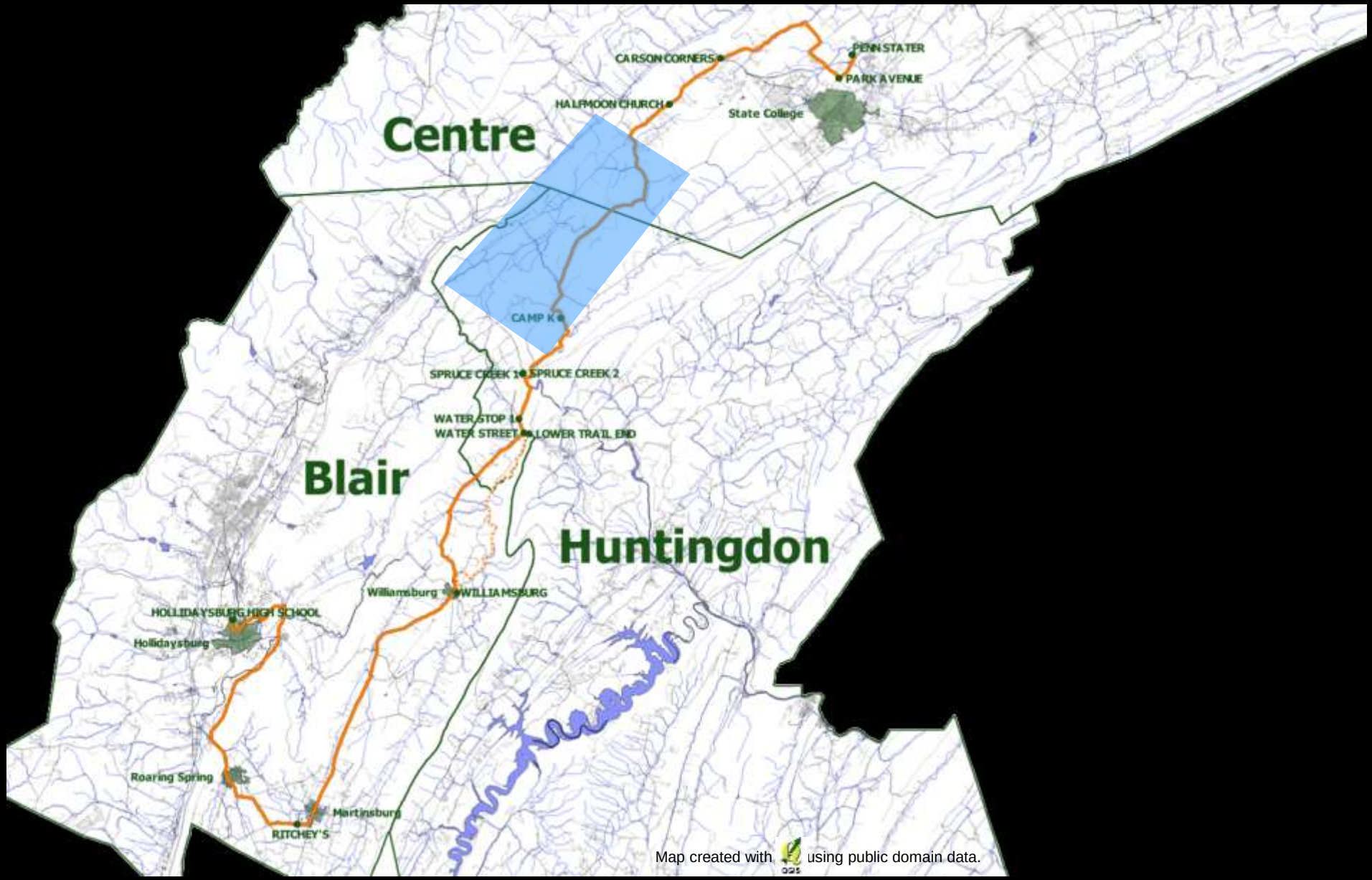
DOPPLER RADAR ESTIMATES THAT BETWEEN 1 AND 2 INCHES OF RAIN HAS FALLEN OVER PORTIONS OF THE AREA DURING THE LAST 60 TO 90 MINUTES. AN ADDITIONAL 1 INCH IS EXPECTED DURING THE NEXT HOUR. THIS ADDITIONAL RAIN WILL MAKE MINOR FLOODING.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

DO NOT DRIVE YOUR VEHICLE INTO AREAS WHERE THE WATER COVERS THE ROADWAY. THE WATER DEPTH MAY BE TOO GREAT TO ALLOW YOUR CAR TO CROSS SAFELY. MOVE TO HIGHER GROUND.

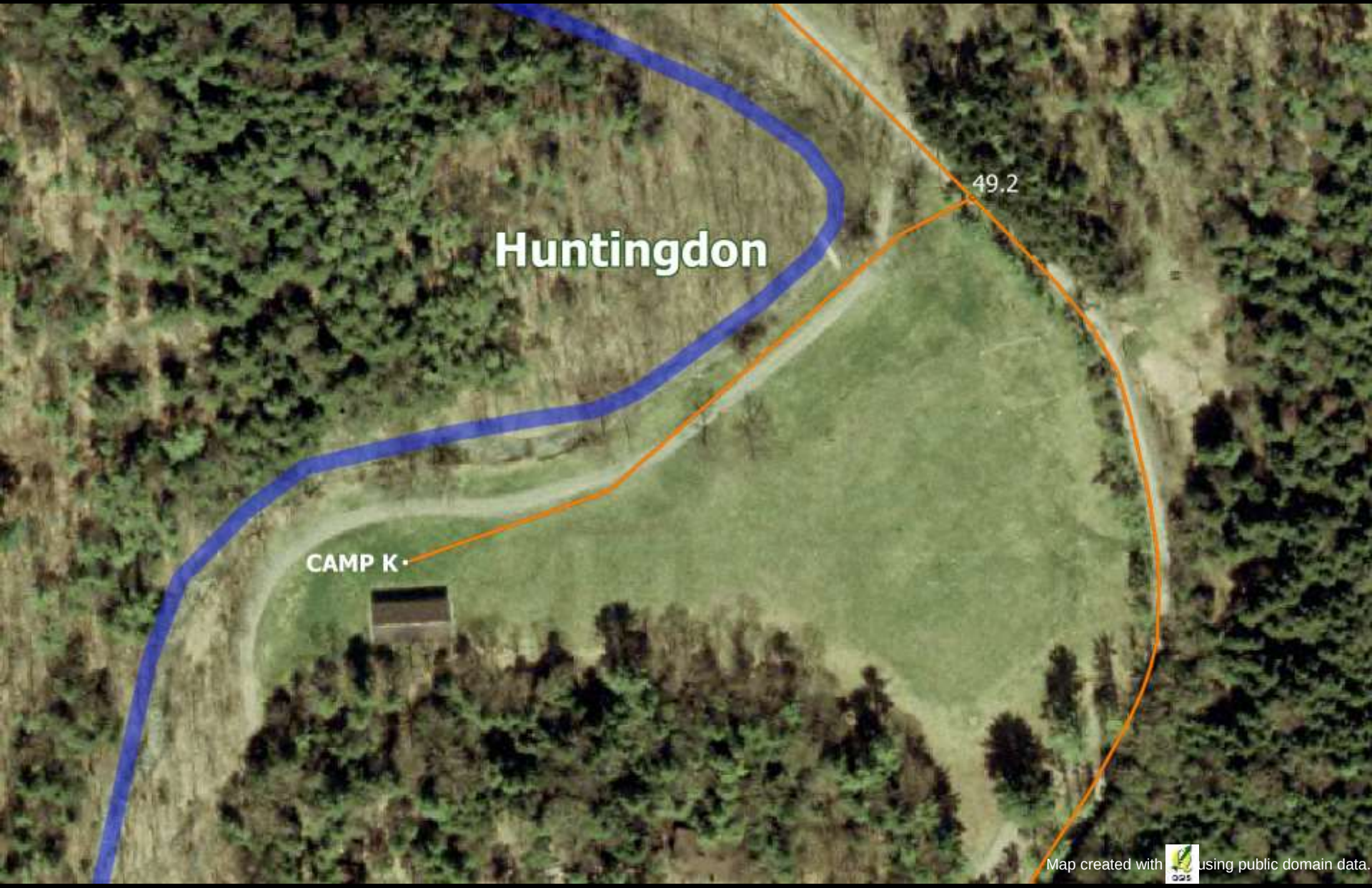
Day 1

Case Study: Public Service Events and ICS



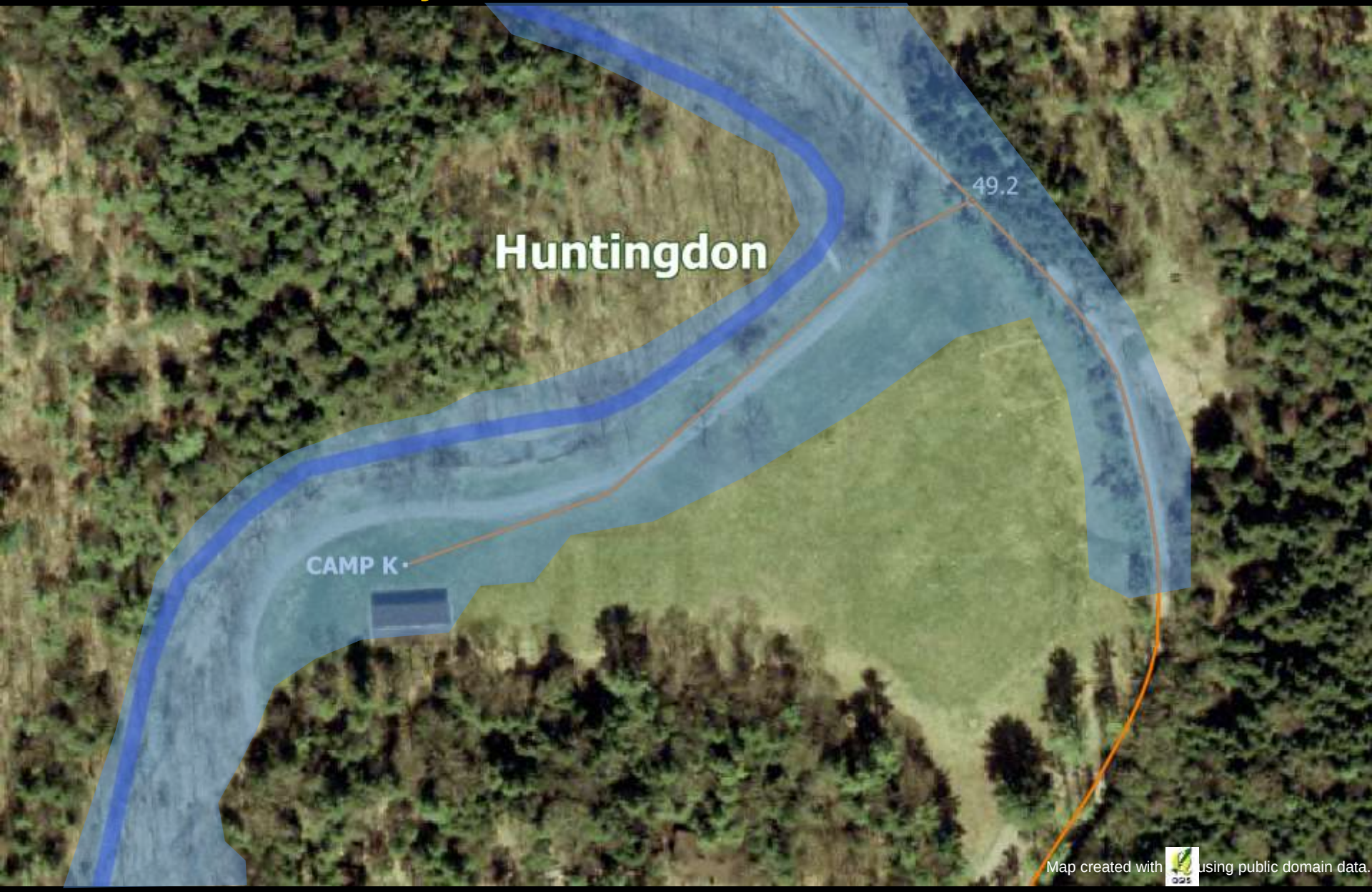
Day 1

Case Study: Public Service Events and ICS



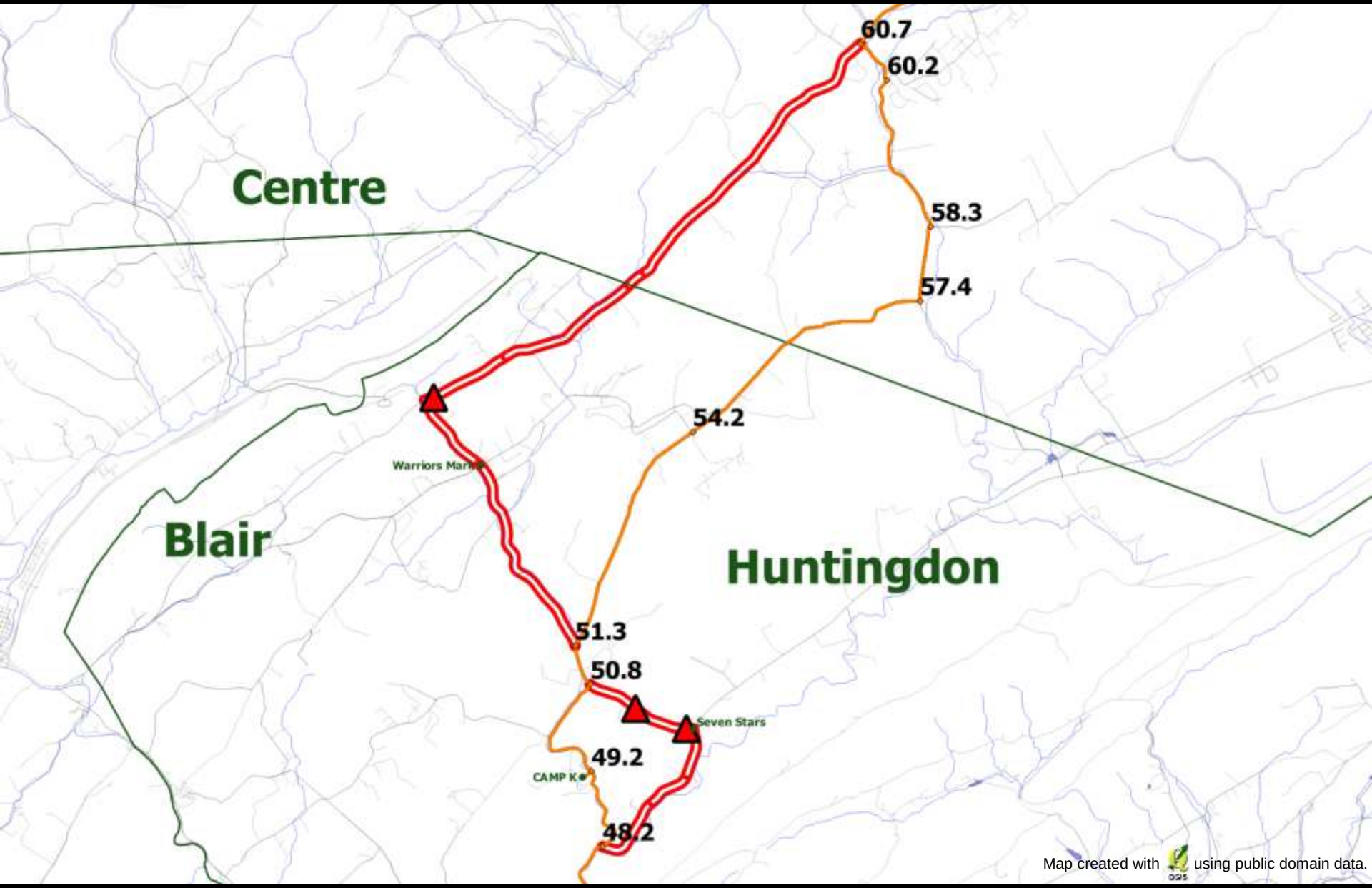
Day 1

Case Study: Public Service Events and ICS



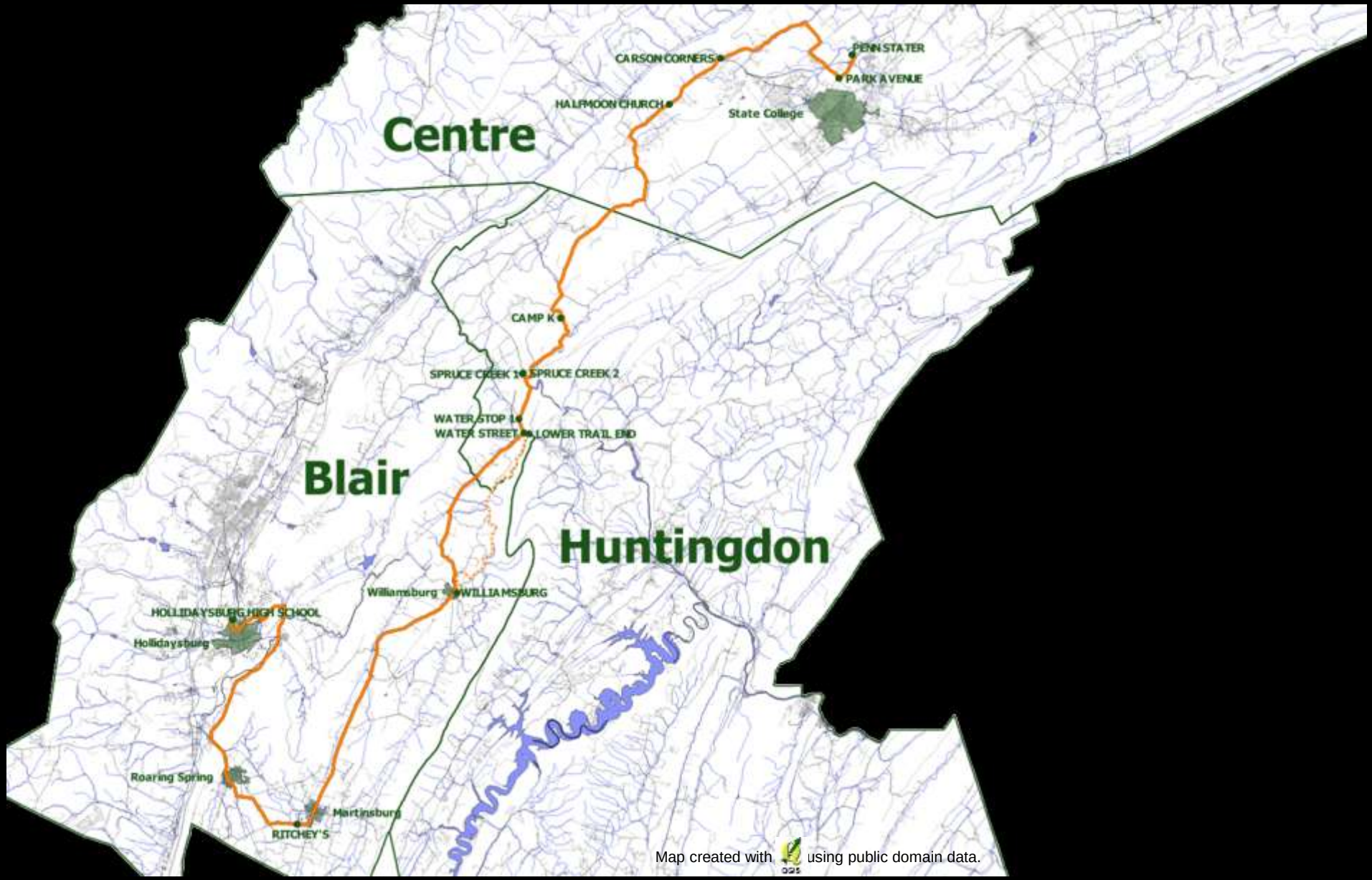
Day 1

Case Study: Public Service Events and ICS



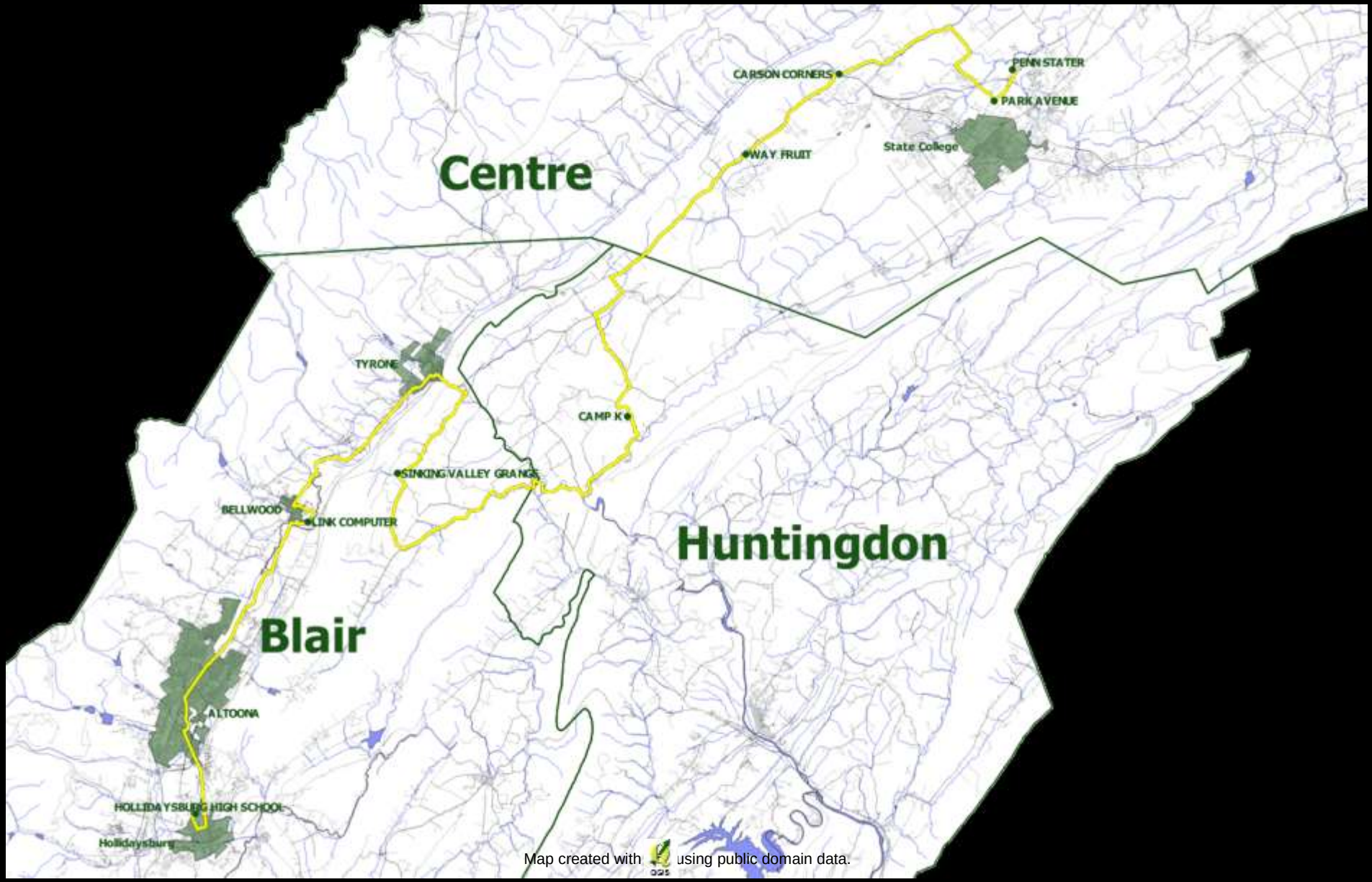
Day 1

Case Study: Public Service Events and ICS



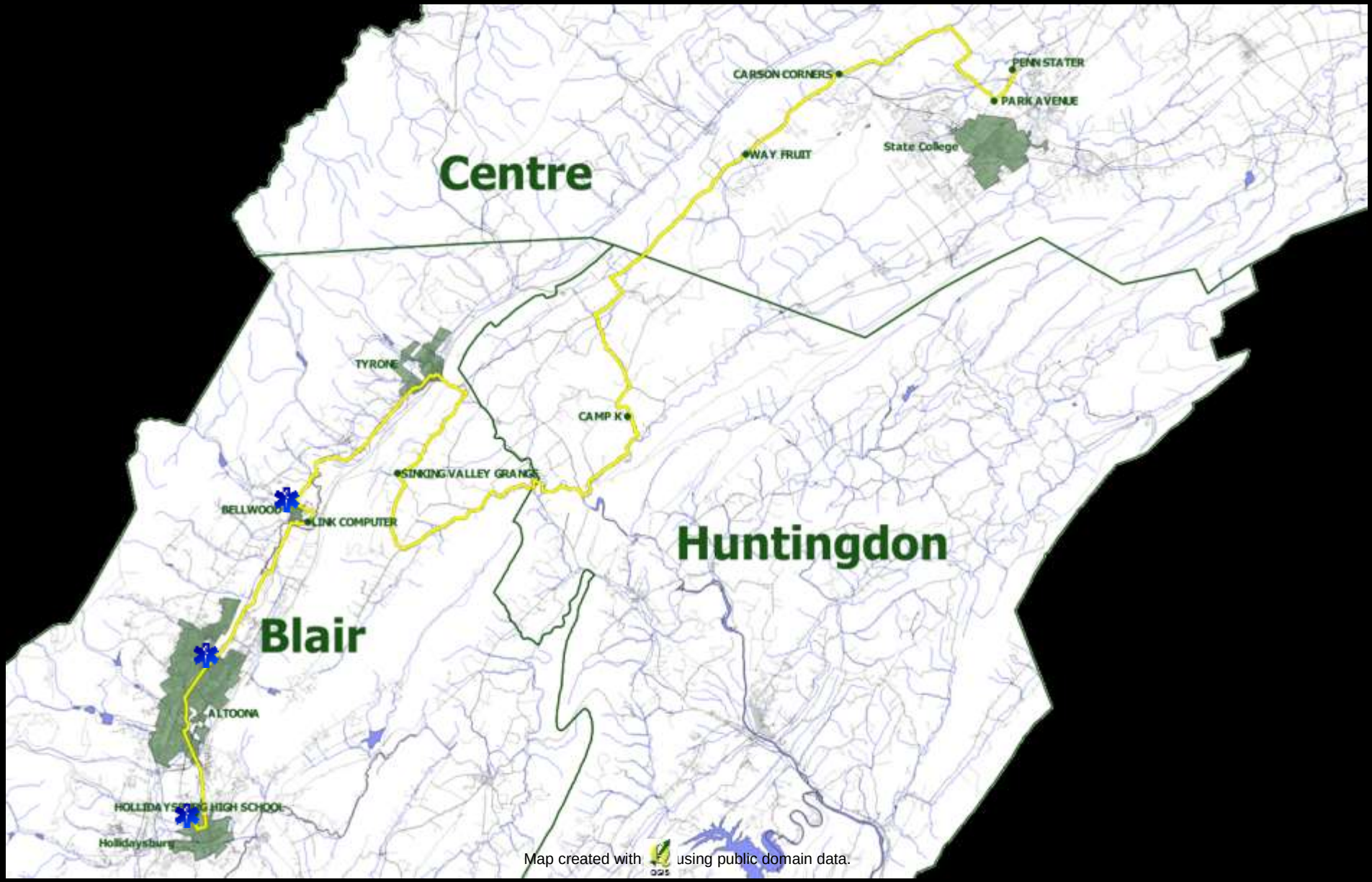
Day 1

Case Study: Public Service Events and ICS



Day 2

Case Study: Public Service Events and ICS



Day 2

Case Study: Public Service Events and ICS

Study

Case Study: Public Service Events and ICS

Study

Drew McGhee KA3EJV
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Carmine Prestia K3CWP
Centre County ACS Officer
Centre County ARES EC
carmine.prestia@gmail.com

Case Study: Public Service Events and ICS

<http://buckeyes.smugmug.com/Events/Bike-Rides>