

Mississippi Wireless Communication Commission MSWIN



MSWIN Interoperability and
Emergency Response

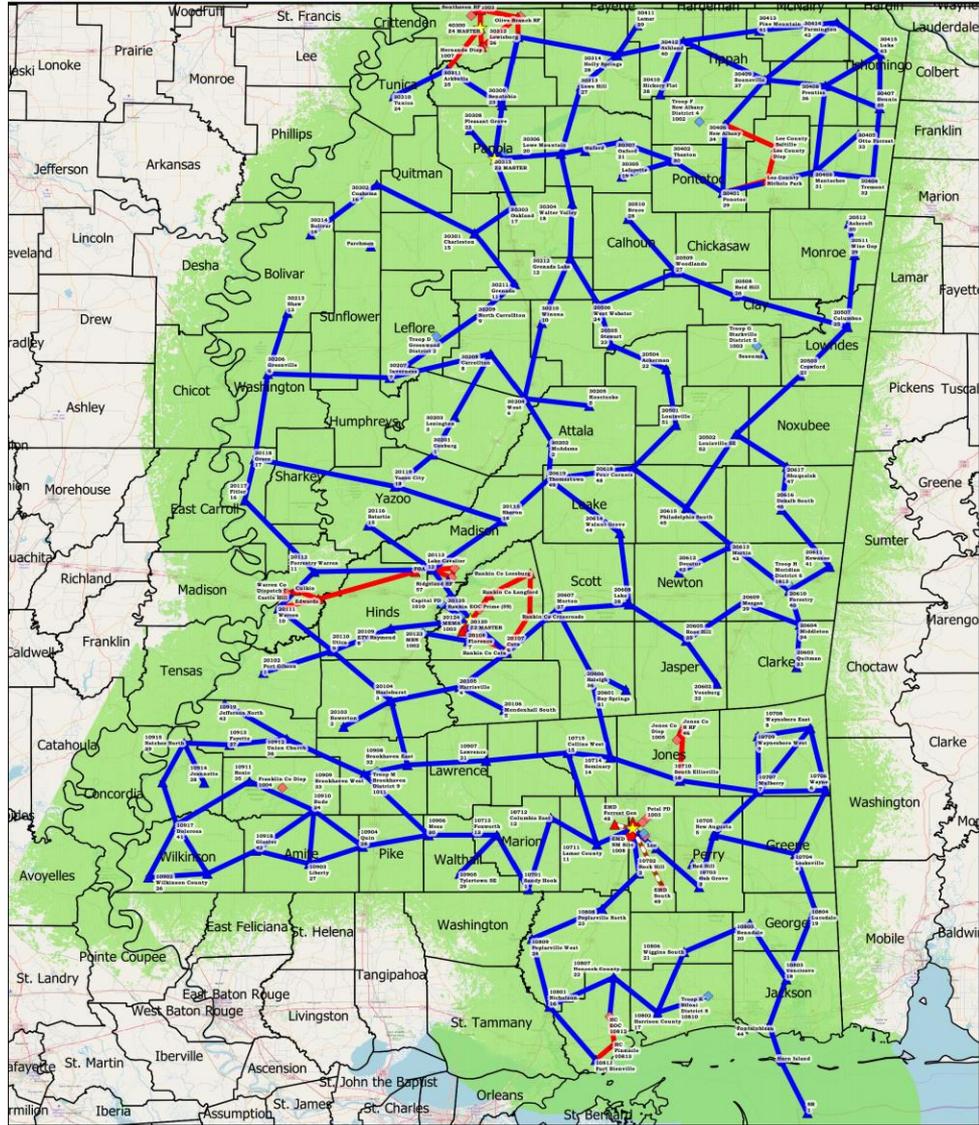
May 8, 2019

WCC Mission Statement

The WCC has been charged with the responsibility for ensuring that emergency response personnel, “...have effective communications services available in emergency situations, and to ensure rapid restoration of such communications services in the event of disruption caused by natural disaster, terrorist attack or other public emergency.”

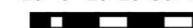


Operational Statewide as of March 1, 2013



- | | | |
|--------------------|--------------------|-------------------|
| MSWIN System Sites | ▲ Local RF | — Local Microwave |
| ★ MSWIN Master | ◆ Local Dispatch | — MSWIN Microwave |
| ◆ MSWIN Dispatch | ● Local Other | □ Counties |
| ▲ MSWIN RF | MSWIN System Links | |
| ● MSWIN Other | — Local Lease Line | |

10 0 10 20 30 40 mi



MSWIN SYSTEM FEATURES

- Non-proprietary, open standard
- 97% statewide interoperable mobile area coverage
- Reliable, redundant, able to withstand wind speeds up to 160 mph, and has dual backup recovery system at each site
- Capacity to support 256,000 users
- Monitored 24 hours a day, 365 days a year
- Redundant System Controllers

MSWIN SYSTEM FEATURES

- Point-to-point microwave backhaul (not dependent on PSTN)
- Microwave Backbone
- Loop Protected
- No more than 4 Sites on a Spur Route
- At Least 2 paths between loops
- Shelters & Generators 4 feet above 500 Year Flood Plain
- Data Capable

MSWIN USERS

- 58 State Agencies
- 400+ Local Entities
- 17 Federal Agencies
- 1 Tribal (Mississippi Band of Choctaw Indians)
- 23 Public Safety Non-Governmental Organizations (Electric Cooperatives, Hospitals, Ambulance Service Providers, etc.)
- Over 40,000+ devices equipped to operate on MSWIN.



MSWIN NETWORK ACTIVITY – APRIL 2019

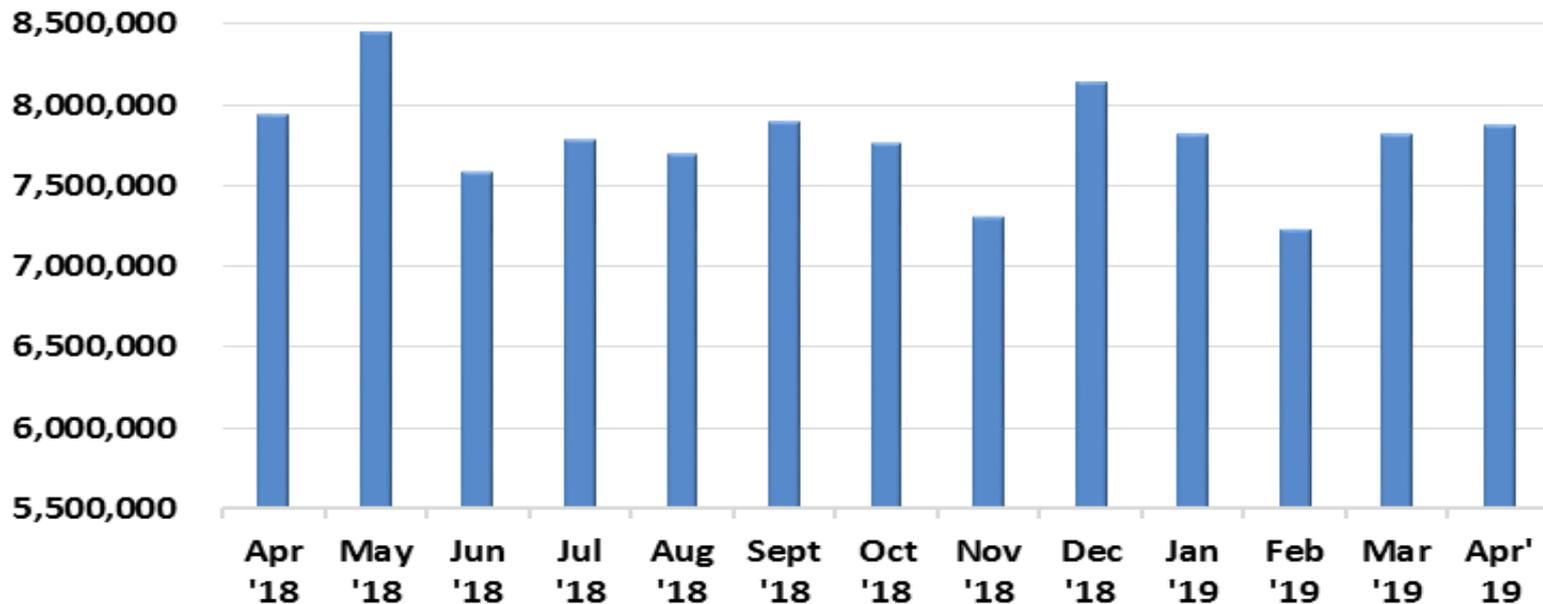
Number of Users: April 2019: 40,863

Network Activity:

System Wide

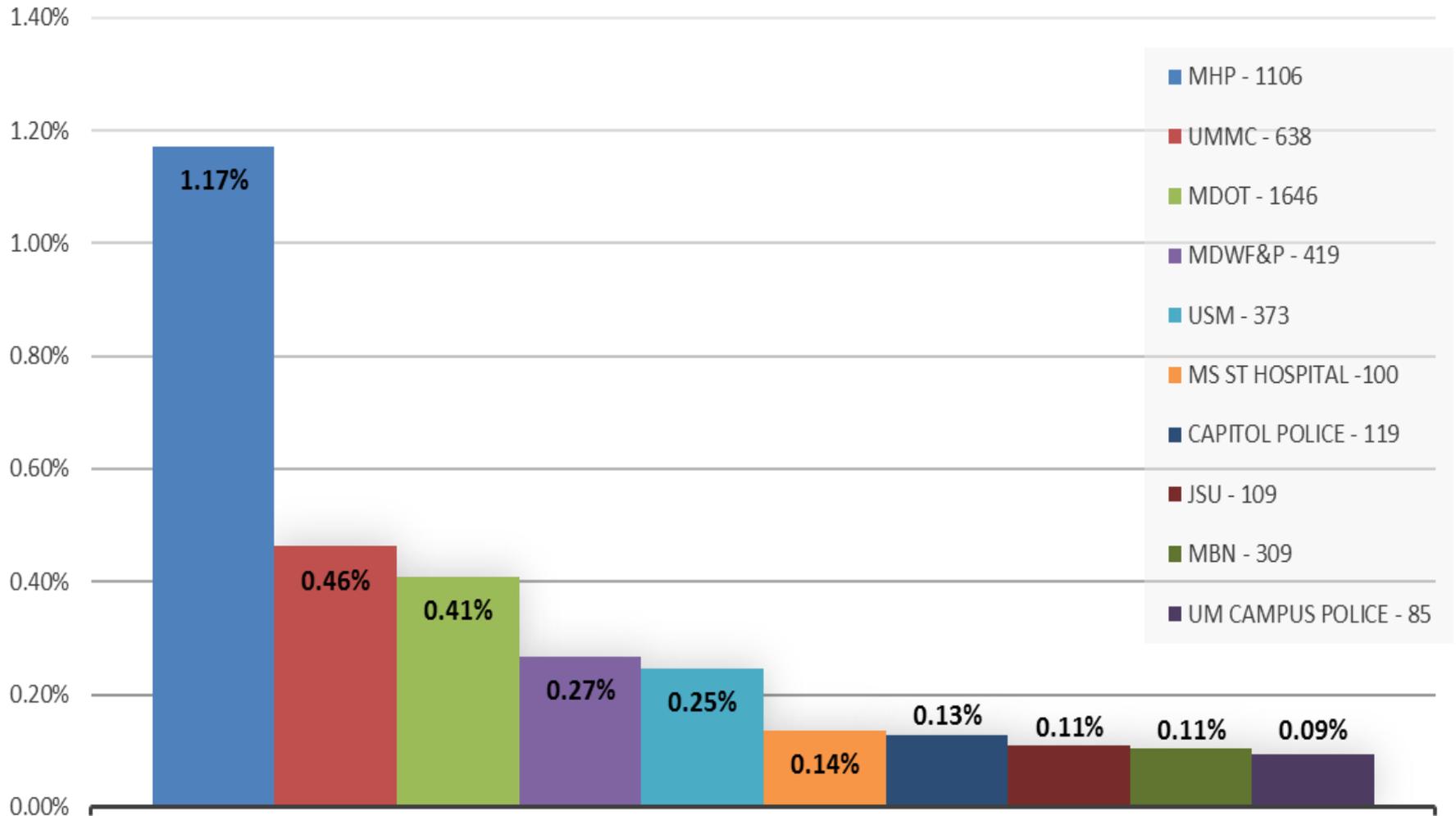
Total PTT:	7,866,242
Avg. Call Duration:	12 secs
Total Buses:	973

PTT's in last 12 months



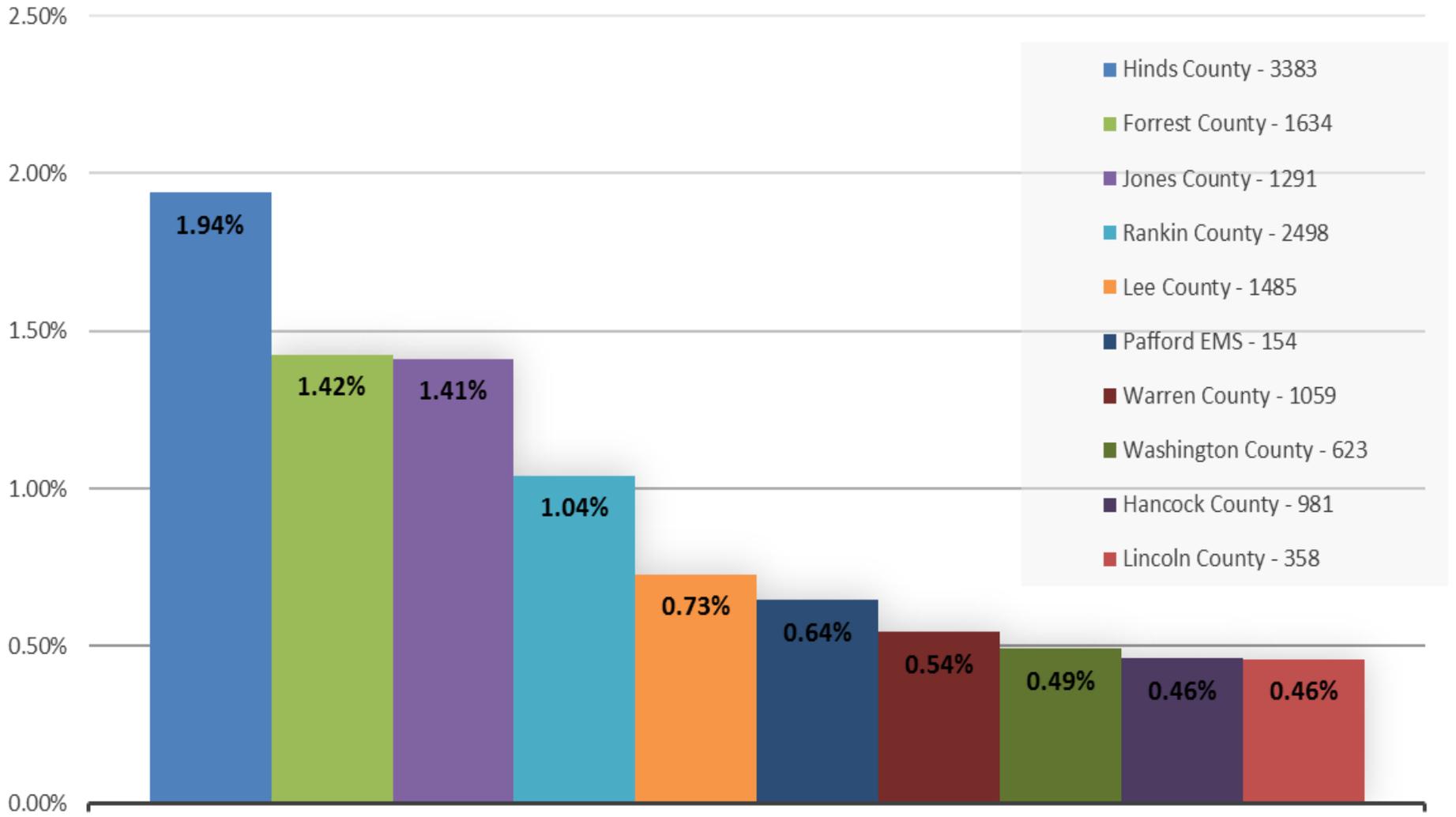
TOP 10 STATE AGENCIES BY SYSTEM USE

APRIL 2019



TOP 10 LOCAL/OTHER AGENCIES BY SYSTEM USE

APRIL 2019



WCC 2019 PROJECTS

- MSWIN Coverage Enhancement
 - Camp Shelby (2)
 - Parchman
 - Oxford
- MSWIN Planned Projects
 - Canton site

WCC RESOURCES & CAPABILITIES



- 3 Sites on Wheels
- 1 Master Site on Wheels
- 1000+ Portable Radios
- Restore Communications
- Technical Information
- Implement system interoperability
- Access to the MSWIN System 24/7/365

WCC RESOURCES & CAPABILITIES



- System patches with LWIN
- RF patches with AWIN
- RF patches with TACN
- RF patches with Baldwin Co. Alabama

EVENTS OR EMERGENCY RESPONSE

- Delta State University Campus Shooting
- Forrest County Tornadoes
- Winston County Tornado
- Hurricane Isaac
- Yazoo City Tornado
- Marine KC-130 Crash
- MS Delta Flood
- Smithville Tornado
- Presidential/Vice-Presidential visit
- Columbus Tornado
- Philadelphia Tornadoes



WHAT IS INTEROPERABILITY?

YEP

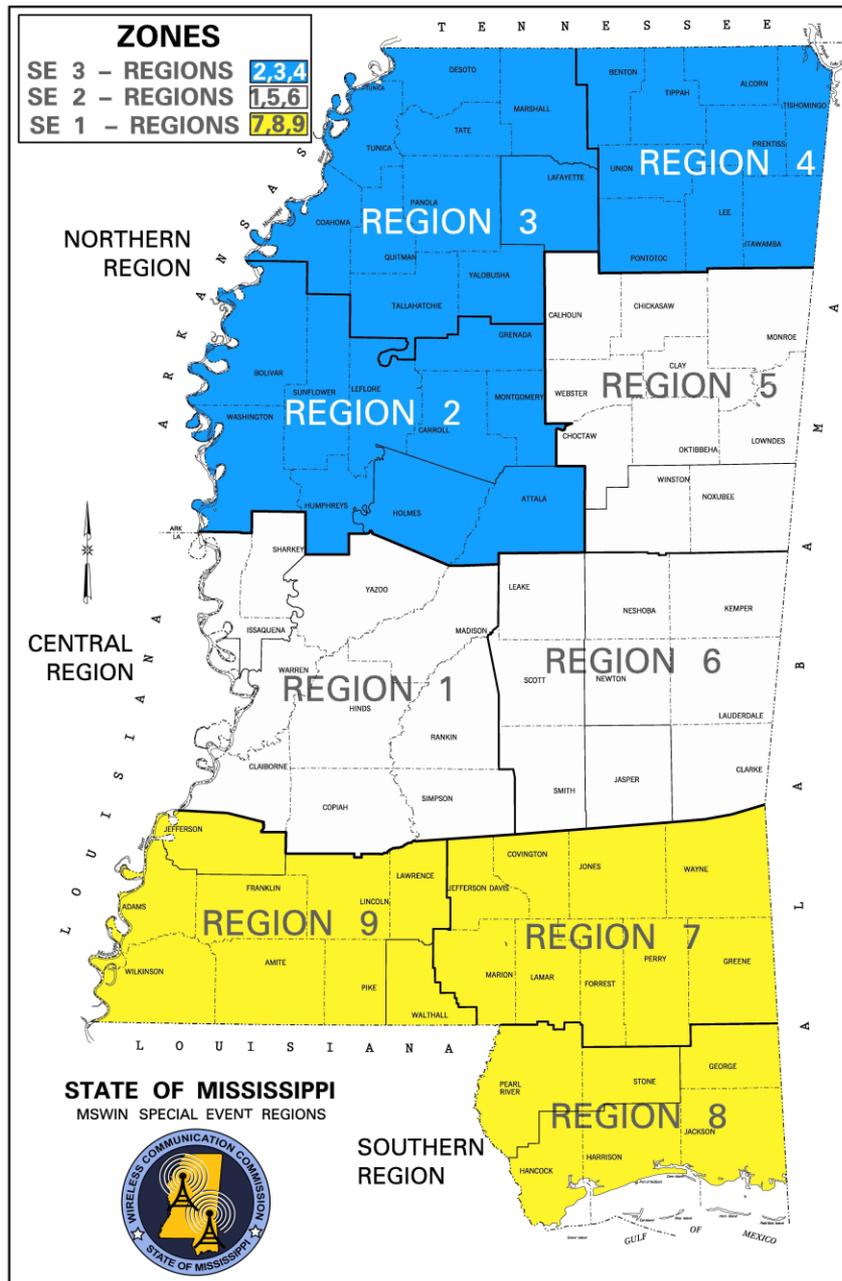
The ability of emergency responders to share information via voice and data communication systems on demand, in real time, when needed and as authorized

NOPE

Interoperability Before P25 Standards



MSWIN INTEROPERABILITY



40 SPECIAL EVENT TALKGROUPS FOR INTEROPERABILITY

CHANNELS/ZONES	SE1	SE2	SE3
1	ST SE CMN	ST SE CMN	ST SE CMN
2	ST SE 1	ST SE 1	ST SE 1
3	ST SE 2	ST SE 2	ST SE 2
4	ST SE 3	ST SE 3	ST SE 3
5	R7 SE CMN	R1 SE CMN	R2 SE CMN
6	R7 SE 1	R1 SE 1	R2 SE 1
7	R7 SE 2	R1 SE 2	R2 SE 2
8	R7 SE 3	R1 SE 3	R2 SE 3
9	R8 SE CMN	R5 SE CMN	R3 SE CMN
10	R8 SE 1	R5 SE 1	R3 SE 1
11	R8 SE 2	R5 SE 2	R3 SE 2
12	R8 SE 3	R5 SE 3	R3 SE 3
13	R9 SE CMN	R6 SE CMN	R4 SE CMN
14	R9 SE 1	R6 SE 1	R4 SE 1
15	R9 SE 2	R6 SE 2	R4 SE 2
16	R9 SE 3	R6 SE 3	R4 SE 3

ICS FORM 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: PEARL DAY VENUE			2. Date/Time Prepared: APRIL, 23, 2019				3. Operational Period: 0300 26 APL TO 2300 26 APL			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
Z-2	5	Venue Command	R1 SE CMN	Pearl Day Command Staff	Mississippi Wireless Information Network (MSWIN)					Monitored by Pearl PD Dispatch
Z-8,11	6	Fire / EMS	R1 SE 1	Pearl FD/Pafford	Mississippi Wireless Information Network (MSWIN)					Monitored by Pearl PD Dispatch
Z-7,8	7	PD/SO PRI Sec. & Screen	R1 SE 2	Pearl PD/SO Units	Mississippi Wireless Information Network (MSWIN)					Monitored by Pearl PD Dispatch
Z-7,8	11	PD/SO Crowd Control	R5 SE 2	Pearl PD/SO Units	Mississippi Wireless Information Network (MSWIN)					Monitored by Pearl PD Dispatch
Z-7,8	12	PD/SO Traffic/Carnvl	R5 SE 3	Pearl PD/SO Units	Mississippi Wireless Information Network (MSWIN)					Monitored by Pearl PD Dispatch
Z-7,8	1	MEMA/MHP MEDCOM	ST SE CMN	Catastrophic Support	Mississippi Wireless Information Network (MSWIN)					Monitored by MEMA/MHP & MEDCOM
Z-9,10 800MA	2	Command Backup	8CALL90D	Pearl Day Command Staff	851.01250	CSQ	851.01250	156.7	A	Simplex Channel Direct radio to radio
Z-9,10 800MA	4	Law Enforce. Backup	8TAC91D	Pearl PD / SO	851.51250	CSQ	851.51250	156.7	A	Simplex Channel Direct radio to radio
Z-10,11,13 800MA	6	Fire / EMS Backup	8TAC92D	Pearl FD / Pafford	852.01250	CSQ	852.01250	156.7	A	Simplex Channel Direct radio to radio
5. Special Instructions:										
POC- Frank Hutton 601-665-7270 / Mike Fivecoat 601-951-8750										
*Incident Command Center will be located on the Corner of Bass Pro and Braves Way. Medivac LZ will be in the Braves Stadium in Center field. Access will be by way of the grounds keeper entrance in centerfield. Medical triage will be located along the hillside behind the Braves Scoreboard. Any Ambulances arriving for medical will enter from Childre road headed east onto Braves Way staging along the curbside headed west for quick exit to Hwy 80.										
**Use the above for normal operations. Use the direct 800 channels if loss of the MSWIN system										
**If unable to contact MS MEDCOM on the radio for the medical helicopter, please call them directly at 601-984-4367.										
6. Prepared by (Communications Unit Leader): Name: _____ Signature: _____										
ICS 205			IAP Page _____			Date/Time: _____				

ICS FORM 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: 2 MS MUSEUMS OPENING			2. Date/Time Prepared: 5 DEC 2017 @ 1300				3. Operational Period: 0700 08 DEC TO 0700 10 DEC 2017			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System	Assignment	RX Freq N or W	RX Tone/	TX Freq N or W	TX Tone/	Mode (A, D, or M)	Remarks
SE1,SE2,SE3	1	CALLING	ST SE CMN	CALLING CHANNEL TO ASK FOR ASSIGNMENTS	Mississippi Wireless Information Network (MSWIN)					Monitored by MEMA
SE2	6	VENUE OPS COMMAND & CONTROL	R1 SE 1	COMMAND & CONTROL AT VENUE	Mississippi Wireless Information Network (MSWIN)					UNITS AT VENUE
SE2	7	MOTORCADE	R1 SE 2	USSS/MHP/PEARL/JPD/ HINDS CO SO/UMMC/RANKIN SO/RICHLAND PD	Mississippi Wireless Information Network (MSWIN)					UNITS IN AND ALONG ROUTE
MHP		INTELLIGENCE	MBI	MBI/USSS	Mississippi Wireless Information Network (MSWIN)					ENCRYPTED
UMMC		PUBLIC SAFETY MED SUPPORT	LEO MED 2	UMMC	Mississippi Wireless Information Network (MSWIN)					MONITORED BY MEDCOM ENCRYPTED
SE2	10	TRAFFIC	R5 SE 1	JPD, HINDS SO, MHP	Mississippi Wireless Information Network (MSWIN)					Units working traffic along route
HINDS CO/JPD		SWAT	JPD SWAT	JPD/HINDS SO/CLINTON PD	Mississippi Wireless Information Network (MSWIN)					ENCRYPTED TO BE PATCHED WITH MHP SWAT
MHP		SWAT	MHP SWAT	MHP SWAT	Mississippi Wireless Information Network (MSWIN)					ENCRYPTED TO BE PATCHED WITH JPD SWAT
SE2	16	DIGNITARY PROTECTION	R6 SE3	GOV SEC/LT GOV SEC/OTHER DIGNITARY	Mississippi Wireless Information Network (MSWIN)					ALL DIGNITARIES
5. Special Instructions: POC- Dent Guynes (WCC) 601-503-0391 If unable to contact MS MEDCOM on radio please call 601-984-4367.										
6. Prepared by (Communications Unit Leader): Name: <u>Dent Guynes</u> Signature: <u>Dent Guynes</u>										
ICS 205			IAP Page _____			Date/Time 5 DEC 2017 @ 1300				

ICS FORM 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: 2 MS MUSEUMS OPENING			2. Date/Time Prepared: 5 DEC 2017 @ 1300				3. Operational Period: 0700 08 DEC TO 0700 10 DEC 2017			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System	Assignment	RX Freq N or W	RX Tone/NA	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
SE2	14	MUSEUM LOGISTICS	R6 SE1	ARCHIVES STAFF/VOLUNTEERS	Mississippi Wireless Information Network (MSWIN)					FOR ALL MUSEUM/ARCHIVES STAFF AND VOLUNTEERS
SE 2	8	FIRE/HAZMAT	R1 SE3	JACKSON FIRE DEPARTMENT	Mississippi Wireless Information Network (MSWIN)					
SE2	11	LAW ENFORCEMENT RESPONSE	R5 SE2	ALL LAW ENFORCEMENT AT EVENT	Mississippi Wireless Information Network (MSWIN)					USE IN EVENT OF AN INCIDENT
SE2	12	MEDICAL	R5 SE3	AMR/JFD	Mississippi Wireless Information Network (MSWIN)					MONITORED BY MEDCOM
700MA		VENUE OPS COMMAND & CONTROL BACKUP	7CALL50D	COMMAND & CONTROL	769.24375	F7E	769.24375	293	D	SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
700MA		MOTORCADE BACKUP	7CALL70D	USSS/MHP/PEARL/JPD/HINDS CO SO/UMMC	773.25625	F7E	773.25625	293	D	SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
800MA		COMMAND BACKUP	8CALL90	COMMAND & CONTROL AT VENUES	851.0125	CSQ	806.0125	156.7	A	MUTUAL AID REPEATER
800MA		TRAFFIC BACKUP	8TAC93	ALL UNITS ASSIGNED TO TRAFFIC	852.5125	CSQ	807.5125	156.7	A	MUTUAL AID REPEATER
5. Special Instructions: POC- Dent Guynes (WCC) 601-503-0391 If unable to contact MS MEDCOM on radio please call 601-984-4367.										
6. Prepared by (Communications Unit Leader): Name: <u>Dent Guynes</u> Signature: <u>Dent Guynes</u>										
ICS 205		IAP Page _____			Date/Time 5 DEC 2017 @ 1300					

ICS FORM 205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS205)

1. Incident Name: 2 MS MUSEUMS OPENING			2. Date/Time Prepared: 15 DEC 2017@ 1300				3. Operational Period: 0700 08 DEC TO 0700 10 DEC 2017			
4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System	Assignment	RX Freq N or W	RX Tone/NA	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
700MA		LAW ENFORCEMENT BACKUP	7TAC55D	ALL LAW ENFORCEMENT	769.74375	F7E	769.74375	293	D	SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
700MA		EOD/BOMB TECH	7LAW61D	JPD/FBI/USSS	770.39375	F7E	770.39375	293	D	ENCRYPTION CAPABLE SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
700MA		MEDICAL BACKUP	7TAC75D	AMR	769.14375	F7E	769.14375	293	D	SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
700MA		EVENT PRODUCTION	7GTAC57D	EVENT PRODUCTION	770.99375	F7E	770.99375	293	D	SIMPLEX CHANNEL-DIRECT RADIO TO RADIO
5. Special Instructions: POC- Dent Guynes (WCC) 601-503-0391 If unable to contact MS MEDCOM on radio please call 601-984-4367.										
6. Prepared by (Communications Unit Leader): Name: <u>Dent Guynes</u> Signature: <u>Dent Guynes</u>										
ICS 205			IAP Page _____			Date/Time 5 DEC 2017 @ 1300				

QUESTIONS?

Dent Guynes

MSWIN System Administrator

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