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**Mississippi Wing
Civil Air Patrol**

Annual Communications Operations Plan

2020



Purpose:

This plan describes the mission management and operational readiness of the Communications Program in Mississippi Wing.

Authority:

Approval of this plan is in compliance with the requirements of CAPR 100-1, para. 2-3.

Scope:

The plan supplements the national Communications Alert Action Guide with Mississippi Wing specific information. All supplemental provisions must be consistent with the national Alert Action Guide and with the most recent approved communications plans of higher headquarters, and regulations CAPR 100-1 and 100-3 (or

their successor documents). It may also reflect communications operational support of state and local customers specific to the wing, where not in conflict with internal CAP requirements.

The actions described in this plan are best practices and starting points for operational procedures but may be modified by responsible CULs or other communication managers, in response to specific circumstances of operational missions.

Message Center Stations:

Current MS Wing Message Center Stations (MCS) are:

Tactical Call	ALE	Voice
Mockingbird 8	Yes	Yes
Mockingbird 34	Yes	Yes
Mockingbird 88	Yes	Yes

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Mockingbird 4	No	Yes
Mockingbird 1	Yes	Yes
Mockingbird 51	No	Yes
Mockingbird 15	No	Yes

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Alert Level 3: Normal Status

Communications systems are ready for operational missions with an easily-manageable Ops Tempo, but ready to activate on short notice.

• Key Wing/ICP/Region Actions:

- HF and VHF confidence checks of communications systems are conducted at least weekly at Alert Level 3.
 - Mississippi – Each MCS will check into the NTN at least once a week:
- At least one message center station in each wing and region is scanning the region ALE net, using the standard ALE address defined in CAPR 100-1.
 - Mississippi – MSWG has stations available to move to SER/Net 4 (See Table 2 below) when required and to Net 9 when Net 4 is unavailable:
- HF and VHF conventional voice nets meet as scheduled for training, confidence checks, and relay of traffic.
 - Mississippi – All internal communications are conducted on Monday, Wednesday and Thursday at 1930 Local on nearest repeater or simplex (See Table 1 below) and on simplex on Tac1 /CAP guard if repeater is not in range. HF nets are conducted on Monday and Wednesday at 2000 Local on a SER Net 4 frequency (see Table 2 below).

• C² Communications System Structure:

- Tactical Communications
 - Conducted on ISR, VHF & HF voice/ALE
 - Any station may initiate a Bi-directional Sound (BIDR) for ALE link
 - Mississippi – Conducted on VHF/FM repeaters located throughout the wing or Simplex on Tac1/CAP Guard or

HF on SER/Net4 channels (see Tables 1 and 2 below)

○ Strategic Communications

- If commercial systems not available, traffic is delivered to any station that can relay it to its destination
- ALE operations for small missions use the region ALE suite, however they may also use Net 9 to relay urgent strategic traffic if needed
- HF Strategic and Training Nets operate as scheduled
- NTN stations may support mission operations, if available, but are not activated at a higher than normal level
- Mississippi – Conducted on closest VHF/FM repeater (see Table 1 below) located throughout the wing or Simplex on Tac1 /CAP Guard or HF on a SER Net 4 frequency (see table 2 below)

• Net 9 Operations:

- At least two national Net 9 (NTN) stations are on duty and responding to ALE self ID: 000NTNCAP. At least one station also monitors NRD daylight and NRC night
 - Mississippi – MSWG has stations available to move to SER/Net 4 (See Table 2 below) when required and to Net 9 when Net 4 is unavailable

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Alert Level 2: Intermediate Status

Communications systems are required to function at an elevated Ops Tempo. Additional Comm resources are activated as needed to support the scale of the mission.

• Key Wing/ICP/Region Actions:

- HF and VHF confidence checks of communications systems are conducted at least once daily
 - Mississippi – Confidence checks of communications systems are conducted at least once daily:
- The ICP advises the NOC of elevated communications alert status
 - Mississippi – The ICP advises the DC of elevated communications status. DC will advise Region DCS/COMM of elevated status:
- The ICP requests support from other stations as needed
 - Mississippi – The ICP requests support from other wing stations as needed:
- HF and VHF conventional contingency voice nets are established, as needed
 - Mississippi – Initially, all internal communications are conducted on Monday, Wednesday and Thursday at 1930 Local on nearest repeater or simplex (See Table 1 below) and on simplex on Tac1 /CAP guard if repeater is not in range. HF nets are conducted on Monday and Wednesday at 2000 Local on a SER Net 4 frequency (see Table 2 below).

• C² Communications System Structure:

- Tactical Communications

- Conducted on ISR, VHF & Region HF suite using voice or ALE
- Any station may initiate a Bi-directional Sound (BIDR) for ALE link
- Tactical HF stations may temporarily switch to NRC/NRD/Net 9 and request relay, if unable to pass the traffic on the region ALE suite
- Mississippi – conducted on VHF MSWG repeaters located throughout the wing or on a Simplex TAC1 /CAP Guard or MSWG HF net on a Net 4 frequency (see Tables 1 and 2 below):
- Mississippi – Tactical HF stations to monitor NRC/NRD/Yellow Plane nets as well as relay traffic via National/Regional ALE or Voice nets as required:
- Strategic Communications
 - If commercial systems not available, traffic is delivered to any station that can relay it to its destination
 - Multiple Comm systems are in service and ready to relay C² traffic
 - ICP may require multiple HF-ALE radios (or additional radios located within VHF range)
 - ICP or Area Command communicates directly with the NTN either via the Net 9 duty station or via NTN voice
 - If an Area Command is in operation, subordinate ICPs typically communicate with the Area Command on the appropriate region ALE Net. If more than one region is involved, the Area Command may operate on Net 9 if cleared by the NTN Net Manager.
 - Mission and contingency nets typically operate on assigned region channels. If the scope of the mission is beyond a single region, the mission CUL can request NTN support.
 - Mississippi – Regional/National communications will be conducted via HF stations as required (SER Net 4 – see

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table 2 below):

- **Net 9 Operations:**
 - Additional NTN, voice and ALE Net 9 station operators are alerted via the NOC and/or National Comm Staff to stand by to assist
 - Mississippi – Regional/National communications will be conducted via HF stations as required (SER Net 4 – see table 2 below):

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Alert Level 1: Major Mission Status

Communications systems are required to function at their maximum Ops Tempo.

- **Key Wing/ICP/Region Actions:**

- HF and VHF confidence checks of communications systems will be conducted at least once every six hours
 - Mississippi – Confidence checks of communications systems will be conducted at least every 6 hours:
- The ICP advises the NOC of alert status
 - Mississippi – The ICP advises the DC who will advise Region DCS/COMM of elevated communications status:
- At least one message center station is on duty 24/7 in every affected wing and region.
 - Mississippi – HF operators will activate schedule or rotation every 4 hours to staff MCS 24/7:
- HF and VHF contingency voice nets are established, as needed.
 - Mississippi – HF contingency voice nets are established, as needed to support schedule: initially - All internal communications are conducted on Monday, Wednesday and Thursday at 1930 Local on nearest repeater or simplex (See Table 1 below) and on simplex on Tac1 /CAP guard if repeater is not in range. HF nets are conducted on Monday and Wednesday at 2000 Local on a SER Net 4 frequency (see Table 2 below).

- **C² Communications System Structure:**

- Tactical Communications

- Conducted on ISR, VHF & Region HF suite using voice or ALE
- Any station may initiate a Bi-directional Sound
- Tactical HF stations may temporarily switch to NRC/NRD/Net 9 and request relay, if unable to pass traffic to any station on the region ALE suite
- Mississippi – Tactical HF stations to monitor NRC/NRD/Yellow Plane nets as well as relay traffic via National/Regional ALE or Voice nets as required:

- Strategic Communications

- If commercial systems not available, traffic is delivered to any station that can relay it to its destination
- All available Comm systems are in service and ready to relay C² traffic
- ICP or Area Command communicates directly with, or relays to the NOC/AVS, as needed, via the Net 9 duty station or NTN voice
 - If an Area Command is in operation, subordinate ICPs typically communicate with the Area Command on the appropriate Regional the appropriate region ALE Net. If more than one region is involved, the Area Command may operate on Net 9 if cleared by the NTN Net Manager.
- Mission and contingency nets typically operate on assigned region channels. If the scope of the mission is beyond a single region, the mission CUL can request NTN support
- Mississippi – Tactical HF stations to monitor NRC/NRD/Yellow Plane nets as well as relay traffic via National/Regional ALE or voice nets as required (see Table 2 below):

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- **Net 9 Operations:**

- The NTN is fully activated for extended voice and ALE operations.

Mississippi – Regional/National communications will be conducted via HF stations as required (SER Net 4 – see table 2 below):

Table 1			
MSWG VHF/FM RADIO NET CHANNEL PLAN BY SQUADRON			
Squadron	D	Zone	Channel
MS050: Steve Launius Comp Squadron	R58	2	14
MS051: Singing River Senior Squadron	R61	2	15
MS057: Golden Triangle Comp Squadron	R01	2	7
MS066: Diamondhead Senior Squadron	R61	2	15
MS072: Pine Belt Comp Squadron	TAC1	2	6
MS075: Wiggins Gateway Cadet Flight	R61	2	15
MS096: DeSoto Comp Squadron	R39	2	16
MS099: Eagle Comp Squadron	R28	2	11
MS100: James McKinnie Comp Squadron	R07	2	8
MS102: G.V.Montgomery Comp Squadron	R43	2	12
MS109: Vicksburg Composite Squadron	R07	2	8
MS111: Madison Cadet Sqdn	R07	2	8

Table 2		
SER/MS HF Radio Net Channel Plan		
Designator	Channel	Use
SED	43	Primary Day Time Net
SEE	44	Alternate Day Time Net
SEC	42	Primary Night Time Net
SEB	41	Alternate Night Time Net

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