

WISCONSIN SAREX/CPX GLLR (WI) 01-103

301200 ZULU OCTOBER 00

OPERATION PLAN GLLR(WI) 01-103 (TORCH BEARER)

Time Zone Used Throughout the Plan: GMT (Zulu) unless otherwise noted

Task Organization:

Mission Headquarters - Elkhorn National Guard Armory, Elkhorn, WI

Logistical Support, General:	Walco Composite Squadron
Logistical Support, Messing and Billeting:	Walco Composite Squadron
Logistical Support, Communications:	Racine Composite Squadron
Initial Functional Testing	SE Wisconsin Support Sqdn 12
	Racine Composite Squadron
Staffing:	SE Wisconsin Support Sqdn 12
	Milwaukee Composite Sqdn 5
	Kenosha Composite Squadron
	Racine Composite Squadron

Air Operations Forward Base - Lake Lawn A/P, Delavan, WI

Logistical Support, General:	Racine Composite Squadron
Logistical Support, Fuel:	Walco Composite Squadron
Logistical Support, Communications:	Racine Composite Squadron
Logistical Support, Flight Line Ops:	Racine Composite Squadron
Staffing:	Waukesha Composite Squadron
Airborne Video Command and Control:	Milwaukee ES Composite Squadron

Air Assets, General

Rib Mountain Composite Squadron CPF 4831

Air Assets, Airborne Video

10th Senior Support Squadron	CPF 4825
Milwaukee ES Composite Sqdn	Aircrew

Ground Assets, Transportation

Mitchell Composite Squadron 9

Ground Assets, APRS Test Project

Waukesha Composite Squadron
Milwaukee Composite Squadron 5

Additional Assets

Wisconsin Wing Units

1. SITUATION

Wisconsin Wing will conduct a Search and Rescue and Command Post Exercise from 10 0000 Zulu November 2000 through 14 0000 Zulu November 2000. The exercise will have the following training objectives.

a. Mission Headquarters Operational Training. Through a series of “table top” problems, headquarters operational personnel will develop missing aircraft and missing person search planning, command, and control skills.

b. Mission Headquarters Logistical Training. Headquarters logistics personnel will train the following skills.

- Headquarters set up.
- Headquarters tear down.
- Communications center set up.
- Communications center operation.
- Communications center tear down.
- Resource (air and ground) processing and tracking.
- Flight line operations.
- Headquarters messing.
- Billeting management.

c. Mission Technology Training and Testing. Headquarters, air, and ground personnel will learn and test the following mission technology.

(1) Test Item: Mission Management Utility software

(a) Training Objective: Headquarters Staff personnel learn to use software in a networked environment to manage SAR assets on a simulated large search

(b) Test Objective: Determine the optimal mix of automated and manual functions and find the ideal number of workstations and printers to support a large search.

(2) Test Item: CAP-Satellite Tool Kit (STK) Search Tool

(a) Training Objective: Headquarters and field personnel learn to use CAP-STK for search planning and evaluation.

(b) Testing Objective: Determine the most effective point(s) in the SAR planning, executing, and evaluation cycle to employ CAP-STK software in Wisconsin search missions.

(3) Test Item: Near Real Time Airborne Video (Slow Scan TV)

(a) Training Objective: Aircrew, headquarters operations, and communications personnel learn effective use of airborne slow scan TV.

(b) Testing Objectives: Determine optimum computer/radio/antenna arrangement at MHQ. Determine best distance/ altitude configuration for aircraft. Determine impact of repeater use on SSTV signal.

(4) Test Item: Automatic Position Reporting Software (APRS)

(a) Training Objective: Headquarters operations and communications personnel learn to employ APRS data in managing SAR operations.

(b) Testing Objective: Determine value of APRS data to mission effectiveness for use in cost/benefit analysis.

(5) Test Item: Decentralized Communications Center

(a) Training Objective: Headquarters personnel learn to employ ICS-like decentralized communications rather than typical communications center based mission electronic communications.

(b) Testing Objective: Test the applicability of decentralized electronic communications to CAP SAR missions.

2. MISSION

Successfully locate simulated mission objectives while effectively employing and evaluating the five mission technologies listed in section 1 above.

3. EXECUTION

Intent: Headquarters operational and support training, mission technology training, and mission technology testing will occur simultaneously within the time limit and context of this SAREX/CPX.

a. Concept of operations. The operation will progress through five phases. Each phase may have support, training, testing, and evaluation elements.

(1) Phase I - Initial Set Up. Set up of the Elkhorn training and testing site will begin at 0000Z on 10 November (1800 CST 9 November) and conclude by 1500 Z 10 November.

(a) Support. Units tasked with Mission Headquarters logistical support will configure operations, training, support, communications, and service areas of the Elkhorn National Guard Armory.

(b) Training. Tasked units will receive guidance on effective mission headquarters and mission communications center layout.

(c) Testing. All communications, computer, and office equipment will be tested for functionality. Computer network testing will not be accomplished until Phase II.

(d) Evaluation. Phase I evaluation will include the effectiveness of headquarters layout (operations isolation, personnel and information flow, communications center, service accessibility) and speed and safety of the set up operation. The AAR for Phase I will be conducted coincident with the AAR for Phase II at the end of Phase II.

(2) Phase II - Initial Functional Testing. Testing of software and computer networks will begin at 1500 Z on 10 November (0900 CST 10 November) and conclude by 0000 Z 11 November.

(a) Support. Units tasked with initial functional testing will install, configure, and test the MHQ network, the MMU software, the CAP-STK software, and the APRS hardware and software.

(b) Training. Tasked units will gain experience in MHQ computer network set up.

(c) Testing. Tasked units will complete the Initial Functional Test plan for the MHQ network, the MMU software, the CAP-STK software, and the APRS hardware and software and repair any problems found.

(d) Evaluation. Phase II evaluation will include problems encountered and repaired, effectiveness of Initial Functional Test plans, and the speed and safety of testing operations. The AAR for Phases I and II will be conducted at 0000 Z 11 November.

(3) Phase III - Training Preparation. Training preparation will begin at 0100 Z on 11 November (1800 CST 10 November) and conclude by 1430 Z 11 November.

(a) Support. From 0100 Z to 0400 Z 12 November, units tasked with Air Operations Forward Base logistical support will configure air operations, communications, flight line operations, aircraft fueling, and service areas of Lake Lawn Airport, Delavan. Units tasked with Airborne Video Command and Control will install and test the ground equipment portion of the Near Real Time Airborne Video Test at Lake lawn Airport, Delavan.

From 1330 to 1430 Z 12 November, units tasked with MHQ staffing will in-process CPX participants and assign them to training areas.

(b) Training. Tasked units will receive guidance on effective headquarters layout, experience in mission flight line operations, communications set up, and in Airborne Video ground equipment installation and testing. Units tasked with MHQ staffing will gain experience in using a Mission Headquarters network and the MMU software for registering personnel on a mission.

(c) Testing. Tasked units will test all communications, computer, office, and fueling equipment at the Air Operations Forward Base and repair any problems found. Units tasked with MHQ staffing will complete the personnel registration portion of the MMU software test.

(d) Evaluation. Phase III evaluation will include the effectiveness of Air Operations Forward Base layout (operations isolation, personnel and information flow, communications center, aircraft taxi, parking, and fueling plans, service accessibility), Airborne Video ground equipment problems encountered and repaired, and the speed and safety of the set up operation. The AAR for Phase III will be conducted at 0400 Z 12 November.

(3) Phase IV - Training and Testing. Training and testing will begin at 1400 Z 11 November (0830 CST 11 November) and conclude by 2230 Z 12 November.

(a) Support. Tasked units and detached personnel will provide the following support.

Mission Headquarters, Elkhorn:	Administration and resource tracking Communications Messing Facility management Computer network management
Air Operations Forward Base:	Resource tracking Flight Line operations Aircraft Fueling Communications Facility management

(b) Training. Tasked units and detached personnel will receive the following training.

- Missing aircraft search planning, strategy, tactics, support (“table top” problems).
- Missing person search planning, strategy, tactics, support (“table top” problems).
- Mission communications.
- Mission flight line operations.
- Mission information dissemination and control (“table top” problems).
- Use of MMU software for mission tasking and resource tracking.
- Use of APRS for SRU tracking.
- Use of CAP-STK for search planning and evaluation.
- Use of Airborne Slow Scan TV on search missions.
- Employment of ICS-style decentralized communications for SAR.

(c) Testing. Tasked units and detached personnel will test the following mission technologies.

- Mission Management Utility software running in a Mission Headquarters network.
- CAP-Satellite Tool Kit (STK) Search Tool.
- Near Real Time Airborne Video (Slow Scan TV).
- Automatic Position Reporting Software (APRS).
- Decentralized Communications Center.

(d) Evaluation. There will be separate evaluations in Phase IV for each “table top” problem and for each key mission headquarters function. Test directors will produce separate testing reports for each evaluated mission technologies. AARs will be conducted after each table top problem and at 0000 Z and 2130 Z 12 November.

(5) Phase V - Tear Down. Tear down of the Elkhorn training and testing site and the Air Operations Forward Base will begin at 2230Z on 13 November (1630 CST 12 November) and conclude by 0000 Z 14 November.

(a) Support. Units tasked with Air Operations Forward Base logistical support will shut down operations at Lake Lawn Airport, Delavan, pack all CAP and member supplied equipment, and return the Lake Lawn Airport facility to its pre-occupancy condition by 0000 Z 13 November. Units tasked with Mission Headquarters logistical support will shut down operations at the National Guard Armory, Elkhorn, pack all CAP and member supplied equipment, and return the National Guard Armory to its pre-occupancy condition by 2300 Z 13 November. Units and detached personnel tasked with Air Operations Forward Base and Mission Headquarters staffing will print out all required documents and perform all statistical tabulation by 0000 Z 13 November.

(b) Training. Tasked units will gain experience in MHQ and flight operations shut down.

(c) Testing. Tasked units will test all communications, computer, office, and fueling equipment for functionality prior to shut down and packing.

(d) Evaluation. Phase V evaluation will include the speed and safety of the tear down operation. The AAR for Phase V will be conducted at 2300 Z 13 November.

(6) Actual Mission. In the event that an actual SAR incident occurs during the exercise, training and testing activity will cease and the mission project officer, in the capacity of Incident Commander, will direct the SAR effort using available resources.

b. Tasks to Operational and Support Units and Detached Personnel.

(1) Mission Project Officer. Develop and publish mission operating plan. Develop test result reporting format. Develop “table top” problems. Assign mission staff. Act as Incident Commander.

(2) Training Director. Control the execution of “table top” problems. Evaluate staff performance during command post exercise.

(3) Test Directors. Develop the test plan for the mission technology test for which he/she is responsible. Direct the mission technology test during Phase IV of the operation. Report results of the test to the mission project officer.

(4) Mission Headquarters Staff Officers. Perform his/her staff function per CAPR 55-1 and this operating plan. Assist test directors in evaluating mission technologies tested during this operation.

(5) Walco Composite Squadron. Arrange for use of National Guard Armory, Elkhorn and Lake Lawn Airport, Delavan. Arrange for aviation fuel for aircraft. Provide logistical support for Mission Headquarters, Elkhorn. Arrange for billeting and messing.

(6) Southeast Wisconsin Senior Support Squadron 12. Provide staffing for mission headquarters. Provide computer equipment for MHQ network and MMU software test. Provide CAP-STK software. Assist in MHQ set up and tear down.

(7) **Racine Composite Squadron.** Provide communications jump kit. Provide flight line personnel. Provide mission communications personnel.

(8) **Kenosha Composite Squadron.** Provide mission headquarters staff, flight line, and communications personnel.

(9) **Waukesha Composite Squadron.** Provide mission headquarters staff and communications personnel. Provide primary test vehicle for APRS test.

(10) **Tenth Senior Support Squadron.** Provide primary test aircraft for Near Real Time Airborne Video test.

(11) **Milwaukee Emergency Services Composite Squadron.** Provide air and ground personnel for Near Real Time Airborne Video test. Provide training staff personnel.

(12) **Milwaukee Composite Squadron Five.** Provide backup test vehicle for APRS test. Provide MHQ network management. Provide mission headquarters support personnel.

(13) **Mitchell Composite Squadron Nine.** Provide transportation between MHQ and the Air Operations Forward Base.

4. SERVICE SUPPORT

a. Support Concept. The Logistics Section Chief, through units and detached personnel assigned, provides services and support to the Incident Commander, Training and Testing Directors, and to mission aircraft. All other units and personnel provide their own services and support.

b. Materiel and Services. The Logistics Section provides mission communications, computer, office, and aircraft fueling equipment. The Logistics Section will provide transportation between Mission Headquarters, Elkhorn and the Air Operations Forward Base, Delavan and will assist units and individuals in finding billeting and messing.

c. Operating Budget. The budget for this operation is \$3500.00 broken down as follows.

(1) **A/C Operations (inbound/outbound travel and SSTV Test):** \$2500.00

(2) **Vehicle Operations (inbound/outbound travel and APRS Test):** \$ 500.00

(3) **Communications (telephone and Internet for MMU Test):** \$ 500.00

5. COMMAND AND SIGNAL

a. Command. The CAP Incident Commander, through the Mission Staff, will exercise ultimate control over all CAP resources assigned to this operation. The Airborne Video Test Director will control aircraft operations. The Training Director will control the execution of the “table top” problems. The individual Test Directors will control the execution of their respective mission technology tests.

b. Signal. Tasked aircraft and ground vehicles will check in to Bluemound 700 at least once per hour.

(1) **Mission telephone number:** (414) 861-2509

(2) **Mission Net Control Station:** Bluemound 700

(3) **Mission Frequency Plan:**

(a) **Primary HQ to Ground Vehicle:** 148.1500, Channel 1

(b) **Alternate HQ to Ground Vehicle:** Milwaukee Repeater,
Channel 11

(c) **Primary Airborne Video Test Frequency:** 148.1375, Channel 3

(d) **Primary APRS Test Frequency:** 149.895 MHz

(e) **Primary Air to Ground Frequency:** 149.5375, Channel 4

(f) **Alternate Air to Ground Frequency:** 122.9 MHz

(g) **MHQ and On Scene Frequency:** 148.1250, Channel 2

(4) **Code words:** Actual Mission = Actual; Recall = Romeo; Find = Foxtrot