# Pinellas County
# Hurricane Amaranth Exercise
# ACS Exercise Plan

19 May 2022   Revision REV (A)

## Abstract

This Exercise Plan (ExPlan) contains the information needed by the Pinellas County Auxiliary Communications Service (ACS) to plan, control, evaluate, and participate in the Pinellas County Hurricane Amaranth Exercise. This plan is a component of the overarching Pinellas County Hurricane Amaranth Exercise Plan. Its scope is limited to the evaluation of multi-agency and multi-jurisdictional communications objectives and critical tasks.

Michael Drake
WA1RYQ

# FOREWORD

This Exercise Plan (ExPlan) contains the information needed by the Pinellas County Auxiliary Communications Service (ACS) to plan, control, evaluate, and participate in the Pinellas County Hurricane Amaranth Exercise. This plan is a component of the overarching Pinellas County Hurricane Amaranth Exercise Plan. Its scope is limited to the evaluation of multi-agency and multi-jurisdictional communications objectives and critical tasks.

It includes an exercise overview, objectives and aligned capabilities, roles and responsibilities, logistics, schedule, and communications plan. Some exercise material is intended for the exclusive use of exercise planners, controllers, and evaluators, but players may view other materials that are necessary to their performance. All exercise participants may view the ExPlan.

The document is divided into five sections and six appendices.

Section 1.  Exercise Overview

Section 2.  General Information

Section 3.  Exercise Logistics

Section 4.  Post-Exercise Activities

Section 5.  Participant Information and Guidance

Appendix A.  Communications Plan

Appendix B.  Exercise Participants

Appendix C.  Exercise Schedule

Appendix D.  Exercise Site Venues

Appendix E.  Exercise Scenario

Appendix F.  Acronyms, Abbreviations, and Definitions

Comments, suggestions, or questions on this document should be addressed to Michael Drake,

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# Record of Changes

| REVISION | DESCRIPTION | DATE |
|----------|-------------|------|
| REV (-) | Initial Release | 04/28/2022 |
| REV (A) | • Corrected minor formatting and spelling issues<br>• Added Creative Commons copyright. | 05/19/2022 |

# 1 EXERCISE OVERVIEW

| Exercise Name | **Hurricane Amaranth Exercise** |
|---|---|
| Exercise Dates | May 1st, May 2nd, and May 3rd 2022 |
| Scope | This exercise will evaluate the multi-agency and multi-jurisdictional communications objectives and critical tasks performed by Pinellas ACS during the activation of the Pinellas County Emergency Operations Center (EOC) during the approach, landfall, and aftermath of a tropical cyclone. The exercise will be divided into three operational periods. |
| Focus Area(s) | Response |
| Capabilities | Operational Communications |
| Objectives | 1. During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will establish and maintain voice Very High Frequency (VHF) radio networks that support the exchange of information between the EOC and simulated emergency evacuation shelters. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures.<br><br>2. During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS Radio Operators (RADO)s located at the EOC will exchange tactical and formal message traffic with Pinellas ACS RADOs located at simulated emergency evacuation shelters using voice VHF radio networks. Each message exchange will be conducted in accordance with ACS standard operating procedures.<br><br>3. During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS will establish and maintain VHF/Ultra High Frequency (UHF) radio and telephonic voice landline networks that support resource management and tactical message exchanges between Pinellas County municipalities, deployed ACS resources, and the Pinellas County EOC. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures. |

| Exercise Name | Hurricane Amaranth Exercise |
|---|---|
| Objectives | 4. During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS RADOs located at the EOC will exchange tactical and formal message traffic with the state of Florida EOC using amateur voice and Winlink digital radio networks; SHARES voice and SHARES Winlink digital radio networks; and EMnet, MSAT, and TracStar voice satellite networks. Each message exchange will be conducted in accordance with ACS standard operating procedures.<br><br>5. During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, operate, and maintain deployable satellite ground stations that provide high speed internet, cellular phone, and Voice over Internet Protocol (VoIP) phone services to collocated emergency management personnel. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures.<br><br>6. During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, and maintain deployable Communications Command Centers that can support High Frequency (HF), VHF, UHF amateur radio voice and data networks; SHARES voice and data networks; 700 and 800 MHz public safety networks, and maritime VHF radio communications. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures.<br><br>7. During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, and maintain deployable Communications Command Centers that support high speed ethernet and Wi-Fi internet service; and VoIP telephone service to co-located emergency management personnel by using a commercially available cellular service Wide Area Network (WAN) backhaul capability. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures.<br><br>8. During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS RADOs located at deployable Incident Communication Centers (ICC)s will establish and maintain VHF/UHF amateur radio and 800 MHz Public Safety voice and data networks that support resource management and tactical message exchanges between deployed ACS resources, Pinellas County municipalities, and the Pinellas County EOC. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures. |
| Threat/Hazard | Hurricane |

| Exercise Name | **Hurricane Amaranth Exercise** |
|---|---|
| Scenario | On May 2, 2022, a cold front moves over the southern Gulf of Mexico. A tropical depression forms, later becoming Tropical Storm Amaranth. The storm strengthens modestly over the next few days, and on May 6, 2022, Hurricane Amaranth makes landfall in Pinellas County as a Category 2 hurricane with winds of 100 mph and surge of 6 – 8 ft. |
| Sponsor | Pinellas County Department of Emergency Management (DEM) |
| Participating Organizations | Pinellas County Auxiliary Communication Service. |
| Point of Contact | Clayton Parrott PMP, FPEM<br>Pinellas County ACS/ARES EC- RO<br>Phone (727) 464-4526<br>Cell: (727) 647-2388<br>cparrott@pinellascounty.org |

## 2 GENERAL INFORMATION

### 2.1 EXERCISE OBJECTIVES AND CAPABILITIES

The following exercise objectives in Table I describe the expected outcomes for the exercise. The objectives are linked to capabilities, which are distinct critical elements necessary to achieve the specific mission area(s). The objectives and aligned capabilities are guided by senior leaders and selected by the Exercise Planning Team.

Table I. Exercise Objectives and associated Capabilities

| Exercise Objective | Core Capability |
|---|---|
| During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will establish and maintain voice VHF radio networks that support the exchange of information between the EOC and simulated emergency evacuation shelters. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS RADOs located at the EOC will exchange tactical and formal message traffic with Pinellas ACS RADOs located at simulated emergency evacuation shelters using voice radio networks. Each message exchange will be conducted in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS will establish and maintain VHF/UHF radio and telephonic voice landline networks that support resource management and tactical message exchanges between Pinellas County municipalities, deployed ACS resources, and the Pinellas County EOC. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |

## Table I. Exercise Objectives and associated Capabilities

| Exercise Objective | Core Capability |
| --- | --- |
| During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS RADOs located at the EOC will exchange tactical and formal message traffic with the state of Florida EOC using amateur voice and Winlink digital radio networks; SHARES voice and SHARES Winlink digital radio networks; and EMnet, MSAT, and TracStar voice satellite networks. Each message exchange will be conducted in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, operate, and maintain deployable satellite ground stations that provide high speed internet, cellular phone, and VoIP phone services to collocated emergency management personnel. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, and maintain deployable Communications Command Centers that can support HF, VHF, UHF amateur radio voice and data networks; SHARES voice and data networks; 700 and 800 MHz public safety networks, and maritime VHF radio communications. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, the Pinellas County ACS will emplace, configure, and maintain deployable Communications Command Centers that support high speed ethernet and Wi-Fi internet service; and VoIP telephone service to co-located emergency management personnel by using a commercially available cellular service WAN backhaul capability. Resource deployment, equipment operation, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |
| During a simulated Hurricane activation of the Pinellas County EOC, Pinellas ACS RADOs located at deployable ICCs will establish and maintain VHF/UHF amateur radio and 800 MHz Public Safety voice and data networks that support resource management and tactical message exchanges between deployed ACS resources, Pinellas County municipalities, and the Pinellas County EOC. Network establishment, network management, resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures. | Operational Communications |

## 2.2 PARTICIPANT ROLES AND RESPONSIBILITIES

The term *participant* encompasses many groups of people, not just those playing in the exercise. Groups of participants involved in the exercise, and their respective roles and responsibilities, are listed below.

a.  **Players.** Players are personnel who have an active role in discussing or performing their regular roles and responsibilities during the exercise. Players discuss or initiate actions in response to the simulated emergency.

b.  **Controllers.** Controllers plan and manage exercise play, set up and operate the exercise site, and act in the roles of organizations or individuals that are not playing in the exercise. Controllers direct the pace of the exercise, provide key data to players, and may prompt or initiate certain player actions to ensure exercise continuity. In addition, they issue exercise material to players as required, monitor the exercise timeline, and supervise the safety of all exercise participants.

c.  **Evaluators.** Evaluators evaluate and provide feedback on a designated functional area of the exercise. Evaluators observe and document performance against established capability targets and critical tasks, in accordance with the Exercise Evaluation Guides (EEGs). In addition to this standard set of evaluators, two additional evaluator groups have been created, ARES® Evaluators and AUXCOMM Evaluators.

    (1)  **ARES® Evaluators** – This group of evaluators will also evaluate player performance against the tasks and criteria documented in the Florida ARRL® Tri-Section Emergency Communicator Position Task Book (PTB). The Pinellas County ARES® Emergency Coordinator (EC), his or her deputy, and those individuals designated by the EC are authorized to review and sign off individual PTB tasks performed during this exercise.

(2)    **AUXCOMM Evaluators** – This group of evaluators will also evaluate player performance against the tasks and criteria documented in the Auxiliary Communicator (AUXC) PTB. The Florida Statewide Interoperability Coordinator (SWIC) has reviewed the qualifications of each AUXCOMM Evaluator and authorized each AUXCOMM Evaluator to review and sign off individual PTB tasks performed during this exercise.

d.    **Observers.** Observers visit or view selected segments of the exercise. Observers do not play in the exercise, nor do they perform any control or evaluation functions.

## 2.3  EXERCISE ASSUMPTIONS AND ARTIFICIALITIES

In any exercise, assumptions and artificialities may be necessary to complete play in the time allotted and/or account for logistical limitations. Exercise participants should accept that assumptions and artificialities are inherent in any exercise and should not allow these considerations to negatively impact their participation.

### 2.3.1  Assumptions

Assumptions constitute the implied factual foundation for the exercise and, as such, are assumed to be present before the exercise starts. The following assumptions apply to the exercise:

a.    The exercise is conducted in a no-fault learning environment wherein capabilities, plans, systems, and processes will be evaluated.

b.    The exercise scenario is plausible, and events occur as they are presented.

c.    Exercise simulation contains sufficient detail to allow players to react to information and situations as they are presented as if the simulated incident were real.

## 2.3.2  Artificialities

During this exercise, the following artificialities apply:

a.      Shelter teams will deploy to locations on the Pinellas County Public Safety Complex rather than to Pinellas County Emergency evacuation shelters. Each simulated emergency evacuation shelter location will have AC power available.

b.      ICC teams will deploy to locations on the Pinellas County DEP campus where SatRunner™ Compact Rapid Deployable (CRDs)™ and CommandRunner™ CRDs™ have been prepositioned. Each ICC location will have AC power available.

c.      A compressed deployment and operational schedule has been selected for this exercise in order to evaluate ACS deployment, operational capabilities, and demobilization within a single operational period.

# 3    EXERCISE LOGISTICS

## 3.1   SAFETY

Exercise participant safety takes priority over exercise events. The following general requirements apply to the exercise.

a.   A Safety Controller is responsible for ensuring the exercise is conducted in a safe environment; any safety concerns must be immediately reported to the Safety Controller. The Safety Controller and Pinellas ACS RO will determine if a real-world emergency warrants a pause in exercise play and if exercise play can be resumed.

b.   For an emergency that requires assistance, use the phrase **["real-world emergency."]** The following procedures should be used in case of a real emergency during the exercise:

   (1)   Anyone who observes a participant who is seriously ill or injured will immediately notify emergency services and the closest controller, and, within reason and training, render aid.

   (2)   Any controller aware of a real emergency will initiate the **["real-world emergency"]** broadcast on the ***ACS Tactical-Resource Net*** and provide the Safety Controller and the Pinellas ACS RO with the location of the emergency and resources needed.

### 3.1.1  Electrical and Radio Frequency Hazards

The following electrical and RF safety procedures apply to this exercise.

a.   Do not operate radio equipment when somebody is either standing near to or touching the antenna.

b.  Do not operate radio equipment during a lightning storm. Disconnect the power source and antenna before a storm.

c.  Do not expose radio equipment to rain or any liquids.

### 3.1.2  Trip and Fall Hazards

The TracStar satellite antenna system will be installed on the roof of the Public Safety Complex during the afternoon segment of the exercise. The roof does not have lifelines or barriers that would prevent exercise participants from straying to close to the roof edge and potentially falling. Additionally, cable trays, vent pipes, raised drain covers, and tie-down hooks are located at numerous locations on the roof. To ensure the safety of all participants during the exercise, the following safety requirements will be implemented.

a.  The antenna installation team will include a safety observer whose **only** responsibility is to ensure that the installation team complies with the safety requirements of this section.

b.  No member of the antenna installation team is to approach closer than 10-feet to any roof edge.

c.  All installation team members are to remain in the antenna installation area.

### 3.1.3  Weather Hazards

ACS RADOs operating in the Pinellas EOC radio room will monitor National Oceanic and Atmospheric Administration (NOAA) Weather Radio and immediately notify all Shelter and ICC teams of approaching inclement weather.

## 3.2  SITE ACCESS

### 3.2.1  Security

Entry controls for the Pinellas County EOC and venues located on the Pinellas County Public Safety Complex will limit the movement of non-credentialed exercise participants. For initial

entry into the complex or for movement between venues during the exercise, participants will need to contact an exercise controller or evaluator to arrange for an escort.

    a.     Temporary badges will be issued to Exercise Controllers, Exercise Evaluators, Exercise Observers, and other key exercise personnel to facilitate movement between exercise venues.

## 3.3  EQUIPMENT AND MATERIAL SUPPORT

Personal and position related Go-kits are not being evaluated during this exercise. All communications equipment, except as specified elsewhere in this plan, and administrative supplies will be provided by the exercise management team. The exercise documentation set, administrative supplies, and ICS/ARRL® forms supplied to each exercise team are listed below.

    a.     Exercise Documentation Set

        (1)    Hurricane Amaranth Exercise Plan

        (2)    Position Specific ICS 204 Assignment List

        (3)    ICS 205 Incident Radio Communications Plan

        (4)    Position specific exercise Inject envelope set

    b.     Administrative Supplies

        (1)    Carrying case

        (2)    Pens / Pencils

        (3)    Highlighters

        (4)    Notebook / paper

    c.     ICS/ARRL® Blank Forms

        (1)    ICS 213 General Message Form

        (2)    ICS 214 Activity Log

        (3)    ICS 309 Communications Log

(4)     ARRL Radiogram Form

### 3.3.1  Exercise Venue Staging

Simulated emergency evacuation shelter venues are located on the fourth floor the public safety complex parking garage. Prior to the exercise, each shelter venue area will be cordoned off using orange safety cones to prevent vehicles from entering venue areas. A table and two chairs will be placed in each venue area and signs identifying each shelter venue by name will be prominently displayed at each venue location.

### 3.4  EXERCISE IDENTIFICATION

Each exercise participant will be provided with a color-coded name tag that clearly displays the participant's team assignment, name, and FCC call sign.

| Group | Color |
|---|---|
| Controllers – Evaluators | Blue |
| Players | White |

# 4  POST-EXERCISE ACTIVITIES

## 4.1  DEBRIEFINGS

Post-exercise debriefings aim to collect sufficient relevant data to support effective evaluation and improvement planning.

### 4.1.1  Hotwash

Two Hotwash activities are planned for this exercise. The first Hotwash will take place at the end of operational period two. At the conclusion of this meeting, all shelter team and ICC team players will be released. The second Hotwash will take place at the end of operational period three.

Each Hotwash will be led by the ACS Training officer. The purpose of each Hotwash activity is to provide players with an opportunity to discuss strengths and areas for improvement, and evaluators to seek clarification regarding player actions and decision-making processes. Each Hotwash will take place at the Pinellas County EOC, and all exercise participants are encouraged to attend. The information gathered during each hotwash will contribute to the After-Action Report and Improvement Plan (AAR/IP) and any exercise suggestions can improve future exercises.

# 5 PARTICIPANT INFORMATION AND GUIDANCE

## 5.1 EXERCISE RULES

The following general rules govern exercise play.

    a.    Exercise players will comply with the procedures documented in Pinellas County ACS/ARES® plans and standard operating procedure (SOP) documents unless otherwise directed by the control staff.

    b.    All communications (including written, radio, telephone, and e-mail) during the exercise will begin and end with the statement "**This is an exercise**". Formal and informal radio digital messages exchanged during the exercise will comply with the procedures documented in paragraph 5.6.1 of the *Pinellas County ACS/ARES® Communications Plan and SOP document*. These precautions are taken so that anyone who overhears a conversation or reviews written message traffic will not mistake exercise play for a real-world emergency.

## 5.2 PLAYERS INSTRUCTIONS

Players should follow certain guidelines before, during, and after the exercise to ensure a safe and effective exercise.

### 5.2.1 Before the Exercise

    a.    Review appropriate organizational plans, procedures, and exercise support documents.

        (1)    Pinellas County ACS/ARES® Emergency Communication Plan and Standard Operating Procedures; Rev (E)

        (2)    Pinellas County ACS/ARES® Emergency Shelter Plan and Standard Operating Procedure

b.      Bring the following materials to the exercise.

      (1)      Pinellas County Volunteer Badge.

      (2)      Hand-held 2-meter Transceiver; At least one per team programmed to support the Pinellas PLAN A (146.4300 MHz Wide) and VHF NTL CALL (146.5200 MHz Wide) simplex frequencies.

      (3)      Florida ARRL® Tri-Section ARES® Standardized Training Plan Emergency Communicator Individual Position Task Book; January 2020

      (4)      Position Task Book (PTB) for the Position of Auxiliary Communicator (AUXC); Version 2.0; January 2022

**_NOTE:_** _Personal and position related Go-kits are not being evaluated during this exercise and players should not bring Go-kit material, except as specified elsewhere in this plan, to the exercise._

c.      Arrive at the Pinellas EOC for the exercise at least 30-minutes prior to the start of the exercise in-brief. An exercise controller will be available at the front of the building to escort participants into the EOC.

d.      Dress appropriately for the exercise.

      (1)      Long pants, shirt, and closed toed shoes are required. For those participants who will be spending time outside, a wide brim hat is recommended.

      (2)      Participants who arrive at the EOC wearing shorts, tee-shirts, or sandals will be turned away.

e.      Sign in when you arrive. An ICS 205A will be used to keep track of all participants.

## 5.2.2  During the Exercise

a.      Respond to exercise events and information as if the emergency were real, unless otherwise directed by an exercise controller.

b.  Controllers will give you only information they are specifically directed to disseminate. You are expected to obtain other necessary information through existing emergency information channels.

c.  If you do not understand the scope of the exercise, or if you are uncertain about a task in an exercise, ask a controller / evaluator.

d.  Speak when you take an action. This procedure will ensure that evaluators are aware of critical actions as they occur.

e.  Maintain an ICS 214 and ICS 309 log of your activities. Many times, these logs may include documentation of activities that were missed by a controller or evaluator.

### 5.2.3  After the Exercise

a.  Participate in the Hotwash.

b.  Provide any notes or materials generated from the exercise (e.g., ICS 214, ICS 309, copies of formal message traffic, elements of Incident Action Plan) to the Pinellas ACS Administration Officer for review and inclusion in the AAR/IP.

# Appendix A

## A COMMUNICATIONS PLAN

### A.1 CONTROLLER/EVALUATOR DIRECTORY

| Name | Location | PTB Approval | Phone | Email |
|------|----------|--------------|-------|-------|
| Clayton Parrott | ICC A/B | AUXC/ARES® | (727) 647-2388 | cparrott@pinellascounty.org |
| Mike Drake | EOC Radio | ARES® | (727) 215-6352 | WA1RYQ@ARRL.NET |
| James Abaka | Safety | N/A | | |

### A.2 TACTICAL CALL SIGNS

This section of the document contains a list of tactical call signs and Winlink tactical addresses used by Pinellas ACS during the exercise.

| Position No | Position | Voice Tactical Call Sign | Winlink Tactical Address |
|-------------|----------|--------------------------|--------------------------|
| 1 | Tactical-Resource Net – Net Control Station (NCS) | NET CONTROL | N/A |
| 2 | Shelter Net – NCS | NET CONTROL | N/A |
| 3 | Deputy Radio Officer – Operations | PACS OPS CHIEF | N/A |
| 4 | PACS Operations Deputy | PACS DEPUTY | N/A |
| 5 | Deputy Radio Officer – Logistics | PACS LOGISTICS | PACS-LOG |
| 6 | Deputy Radio Officer – Admin | PACS ADMIN | PACS-ADMIN |
| 7 | Deputy Radio Officer – Net Manager | NET MANAGER | PACS-NETMAN |
| 8 | Pinellas EOC Radio Room | PINELLAS EOC | PACS-EOC |
| 9 | ICC – Tropicana Field ICS Staging Area | TROPICANA | EMPOD-1 |
| 10 | ICC – Tyrone Mall Point of Distribution Site | TYRONE | EMPOD-2 |
| 11 | Shelter – Bauder Elementary School | BAUDER ELEMENTARY | N/A |

| Position No | Position | | Voice Tactical Call Sign | Winlink Tactical Address |
|---|---|---|---|---|
| 12 | Shelter – | Gulfport Elementary School | GULFPORT ELEMENTARY | N/A |
| 13 | Shelter – | Lealman Exchange | LEALMAN EXCHANGE | N/A |
| 14 | Shelter – | Ross Norton Recreation Center | ROSS NORTON | N/A |
| 15 | Shelter – | East Lake High School | EAST LAKE | N/A |
| 16 | Shelter – | Boca Ciega High School | BOCA CIEGA | N/A |

# Appendix B

## B   EXERCISE PARTICIPANTS

This section identifies the participants that are scheduled to take part in the exercise. The role performed by each participant and the team to which each player has been assigned is also identified.

### B.1   EXERCISE OPERATIONAL PERIOD 1

Exercise Operational Period one begins at 0900 hours on exercise day one, Sunday May 1st, and terminates at 0730 hours on exercise day three, Monday May 3rd. Except for the ACS RO and the Tactical-Resource Net NCS, all other players will participate in exercise activities from their home of residence. The NCS and alternate NCS are listed in Table B- I.

Table B- I.  Pinellas County EOC Radio Room Players

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|----|------|--|-----------|--------------|-----------|------|
| 1 | Mike | Drake | WA1RYQ | Yes | Yes | Tactical-Resource NCS |
| 2 | *TBD* | | | | | Alternate NCS |

### B.2   EXERCISE OPERATIONAL PERIOD 2

Exercise Operational Period two begins at 0900 hours on exercise day three, Tuesday May 3rd, and terminates at 1330 hours on the same day. The team assignments for each exercise venue and the support staff assignments for this operational period are listed in Table B- II through Table B- V.

## Table B- II.  Exercise Support

| No | Name | | Call Sign | AUXC Trained | Team Lead | Function |
|---|---|---|---|---|---|---|
| 1 | Clayton | Parrott | KJ4RUS | Yes | Yes | Logistics |
| **2** | *TBD* | | | | | Admin Officer |

## Table B- III.  Incident Communications Center Players

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|---|---|---|---|---|---|---|
| 1 | Bruce | Kreutzer | N4BCK | Yes | Yes | Tropicana |
| 2 | Luke | Ferrone | NF3E | No | | Tropicana |
| 3 | Mark | Boyle | W8QFV | No | | Tropicana |
| 4 | Will | Scott | W7WMS | Yes | Yes | Tyrone |
| 5 | Gary | Potts | KM4DYD | Yes | | Tyrone |
| 6 | Dan | Wilson[1] | AB4LN | Yes | | Tyrone |

## Table B- IV.  Evacuation Shelter Players

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|---|---|---|---|---|---|---|
| 1 | Doug | Williams | N2DW | No | Yes | Bauder Elementary |
| 2 | Robert | Nicolais | KO4JUI | No | | Bauder Elementary |
| 3 | Robert | Burke | KC4SXO | No | Yes | Lealman |
| 4 | Gerry | Pollack | WR6N | No | | Lealman |
| 5 | Hal | Chase | W1EES | No | Yes | Ross Norton |
| 6 | Steve | Oliphant | N2KBD | No | | Ross Norton |
| 7 | Ryan | Rager | KO4KGP | No | Yes | Gulfport Elementary |

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[1] Pasco County ARES®/RACES
Exercise Plan
Homeland Security Exercise and Evaluation Program

### Table B- IV.  Evacuation Shelter Players

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|----|------|--|-----------|--------------|-----------|------|
| 8 | Scott | Allshouse[2] | W9SBA | Yes | | Gulfport Elementary |
| 9 | Ryan | Ryczek | KJ4FXX | No | Yes | East Lake High School |
| 10 | Tom | Powers | KM4BRQ | No | | East Lake High School |
| 11 | Will | Milor | KK4CMP | No | Yes | Boca Ciega High School |
| 12 | Ken | Bowen | KO4KGQ | No | | Boca Ciega High School |

### Table B- V.  Pinellas County EOC Radio Room Players

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|----|------|--|-----------|--------------|-----------|------|
| 1 | Dave | Rockwell | W4PXE | Yes | Yes | EOC Team A |
| 2 | Jason | Esterline | N4BOZ | No | | EOC Team A |
| 3 | Tim | Cunningham[2] | KM4YGV | Yes | | EOC Team A |

## B.3   EXERCISE OPERATIONAL PERIOD 3

Exercise Operational Period three begins at 1500 hours on exercise day three, Tuesday May 3rd, and terminates at 1730 hours on the same day. The player assignments for operational period three are listed in Table B- VI.

### Table B- VI.  Pinellas County EOC Radio Room Players

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[2] Pasco County ARES®/RACES

Exercise Plan
Homeland Security Exercise and Evaluation Program

| No | Name | | Call Sign | AUXC Trained | Team Lead | Team |
|----|------|------|-----------|--------------|-----------|------|
| 1 | Dave | Rockwell | W4PXE | Yes | Yes | EOC Team B |
| 2 | Bruce | Kreutzer | N4BCK | Yes | | EOC Team B |
| 3 | Gary | Potts | KM4DYD | Yes | | EOC Team B |
| 4 | Will | Scott | W7WMS | Yes | | EOC Team B |
| 5 | Dan | Wilson[3] | AB4LN | Yes | | EOC Team B |

# Appendix C

## C  EXERCISE SCHEDULE

The following schedules detail the timeline of significant events and activities that are planned for the exercise.

### C.1  EXERCISE PLANNING SCHEDULE

The planning activities, meetings, and equipment preparation tasks scheduled for the exercise are shown in TABLE C- I.

TABLE C- I.  Exercise Planning Schedule

| Date | Time | Personnel | Activity | Location |
|------|------|-----------|----------|----------|
| March 30th | 1700 | Planners | Initial Exercise Planning Meeting | EOC |
| April 4th | 1500 | Planners | First distribution of draft EEGs for review and comment. | Home / Email exchange |
| April 11th | 2000 | Planner | Distribution and review of draft ExPlan, Master Scenario Event List (MSEL), and updated EEGs. | Home / Email exchange |
| April 19th | 1600 | Planner | Distribution of ExPlan and Master Scenario Event List (MSEL) for Review | Home / Email exchange |
| April 19th | 2000 | Planners, Controllers, & Evaluators | Planning Meeting – ExPlan and MSEL Review | Zoom |
| April 21st | 1200 | Planner | Distribution and review of Draft IAP material (ICS 204s) | Home / Email exchange |
| April 21st | 1700 | Planners, Controllers, & Evaluators | Exercise Site Survey | Public Safety Complex |
| April 21st | 1900 | All Participants | Initial Exercise Briefing – Player Identification and role assignments | EOC |
| April 25th | 0930 | Planners, | Equipment configuration and operability | Public Safety |

TABLE C- I.  Exercise Planning Schedule

| Date | Time | Personnel | Activity | Location |
|---|---|---|---|---|
| | | Controllers, & Evaluators | checks | Complex |
| April 26th | 1930 | All Participants | Review of Exercise Objects and schedule with all participants | VHF Training Net |
| April 27th | 1930 | Planners, Controllers, & Evaluators | Planning Meeting – Final ExPlan, MSEL, and IAP Review and Approval | Zoom |
| April 28th | 1330 | Planners, DEM Staff | Pinellas County Emergency Management Team – PACS Exercise Brief | Public Safety Complex |
| April 28th | 1600 | All Participants | Distribute Exercise plan via email to all participants. | Home |
| April 30th | 1930 | Planners, Controllers, & Evaluators | Controller and Evaluator Briefing | Zoom |

## C.2   EXERCISE SCHEDULE DAY ONE, SUNDAY MAY 1ST 2022

The schedule for day one of the exercise is shown in TABLE C- II. Alignment between this schedule and the overarching Pinellas County Hurricane Amaranth Exercise schedule is shown by displaying Pinellas County EOC staff activities in Red. The Pinellas County EOC situation report is used to trigger follow-on ACS activities.

TABLE C- II.  Exercise Schedule - Day 1, Operational Period 1

| Day 1: May 1st 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 0900 | All Players | StartEx – **Begin Operational Period One** | |
| 1130 | Pinellas EOC Staff | Tropical Disturbance Situation Report #1 | Public Safety Complex |
| 1700 | All Players | ACS RO notifies ACS of Level 3 Activation | Home |
| 1715 | All Players | NCS activates Tactical Resource Net at Level 3 | Home |

### TABLE C- II.  Exercise Schedule - Day 1, Operational Period 1

| Day 1: May 1st 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 1730 | All Players | NCS shuts Down Tactical Resource Net | Home |

## C.3  EXERCISE SCHEDULE DAY TWO, MONDAY MAY 2ND 2022

The schedule for day two of the exercise is shown in TABLE C- III. Alignment between this schedule and the overarching Pinellas County Hurricane Amaranth Exercise schedule is shown by displaying Pinellas County EOC staff activities in Red. The Pinellas County EOC situation report is used to trigger follow-on ACS activities.

### TABLE C- III.  Exercise Schedule - Day 2, Operational Period 1 (Cont.)

| Day 2: May 2nd 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 1130 | Pinellas EOC Staff | Tropical Depression #1 Situation Report #2 | Public Safety Complex |
| 1200 | All Players | ACS RO notifies ACS of Level 2 Activation | Home |
| 1210-1245 | All Players | NCS activate Tactical Resource Net at Level 2. Net is shut down for the night after all players check-in. | Home |
| 1500 | Planners, Controllers, & Evaluators | Equipment and venue checks. | Public Safety Complex |
| 2000 | All Players | ACS RO notifies membership that ACS Level 1 will be activated at 0700 on May 3rd. | Home |

## C.4  EXERCISE SCHEDULE DAY THREE, TUESDAY MAY 3RD 2022

Day three is divided into two operational periods. The schedule for operational period two is shown in TABLE C- IV and the schedule for operational period three is shown in TABLE C- V.

Communications system testing has been assigned to day three, May 3rd, of the overarching exercise schedule. The scope of this testing will include those activities that take place before, during, and after the hurricane makes landfall. Because this segment of the schedule is compressed, full alignment of the communications schedule and the overarching schedule is not possible.

### TABLE C- IV.  Exercise Schedule - Day 3, Operational Period 2

| Day 3: May 3rd 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 0700-0730 | Controllers, & Evaluators | Controller and Evaluator Briefing. Check-in for final instructions and communications check. | EOC |
| 0700 | All Players | NCS activates Tactical Resource Net at level 1 and directs all player to depart for EOC. | Home |
| 0730 | All Players | **End Operational Period 1** | |
| 0800-0900 | All Participants | Operational Period 2 Briefing | EOC |
| 0900 | All Players | Conclude Operational Period Briefing, Release players for deployment – **Begin Operational Period 2.** | EOC |
| 0900-0915 | Shelter Teams | Distribute shelter radios and depart for Simulated shelters. | EOC, Sim shelters |
| 0900 | ICC Teams | Depart EOC for Incident Communications Center | EOC, ICC |
| 0920-1000 | ICC Teams | Arrive at ICC, emplace and configure SatRunner™ CRD™ | ICC |
| 0930-1000 | Shelter Teams | Arrive at Sim shelter location, Set-up equipment, and check-into Shelter net. | Sim Shelters |
| 1000-1030 | ICC Teams | Emplace and configure CommandRunner™ CRD™. | ICC |
| 1000-1130 | Shelter Teams | Exchange both informal and formal voice message traffic with EOC. | Sim Shelters |
| 1030-1100 | ICC Teams | Exchange both informal and formal message traffic with EOC using voice and data nets. | ICC |
| 1100-1130 | ICC Teams | Perform communication tests with Pinellas County municipalities. | ICC |

## TABLE C- IV.  Exercise Schedule - Day 3, Operational Period 2

| Day 3: May 3rd 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 1130-1200 | Shelter Teams | Demobilize shelter site, pack equipment, return to EOC, and return equipment to Logistics officer. | Sim Shelter, EOC |
| 1130-1200 | ICC Teams | Shutdown, pack and ready for transport SatRunner CRD™ and CommandRunner CRD™. | ICC |
| 1200-1215 | ICC Teams | Depart ICC location and return to EOC | ICC, EOC |
| 1230-1330 | All Participants | Hotwash for Operational Periods one and two | EOC |
| 1330 | Operational Period 1 and 2 Players | **End Operational Period 2.** | |
| 1330-1430 | EOC Team B | Break for Lunch | |

## TABLE C- V.  Exercise Schedule - Day 3, Operational Period 3

| Day 3: May 3rd 2022 | Personnel | Activity | Location |
|---|---|---|---|
| 1430-1500 | EOC Team B | Operational Period 3 Briefing | EOC |
| 1500 | EOC Team B | Conclude Operational Period Briefing **– Begin Operational Period 3**. | EOC |
| 1500-1530 | EOC Team B | Install the TracStar antenna onto the roof of the Public Safety Complex. | Public Safety Complex Roof |
| 1500-1530 | EOC Team B | Exchange formal digital message traffic with the State of Florida EOC using amateur and SHARES radio frequencies. | EOC Radio Rm |
| 1530-1600 | EOC Team B | Perform satellite communication tests with the state of Florida EOC. | EOC Radio Rm |
| 1530-1600 | EOC Team B | Test Operational status of all EOC TracStar Red Phones. | EOC |
| 1600-1630 | EOC Team B | Deinstall and pack the TracStar Antenna. | Public Safety Complex Roof |
| 1630-1730 | EOC Team B | Hotwash | EOC |
| 1730 | All Participants | **End Operational Period 3 - EndEx** | |

# Appendix D

## D  EXERCISE SITE VENUES

An exercise site survey was conducted on Thursday April 21st, 2022. Venue locations were identified and are documented in the photographs below.
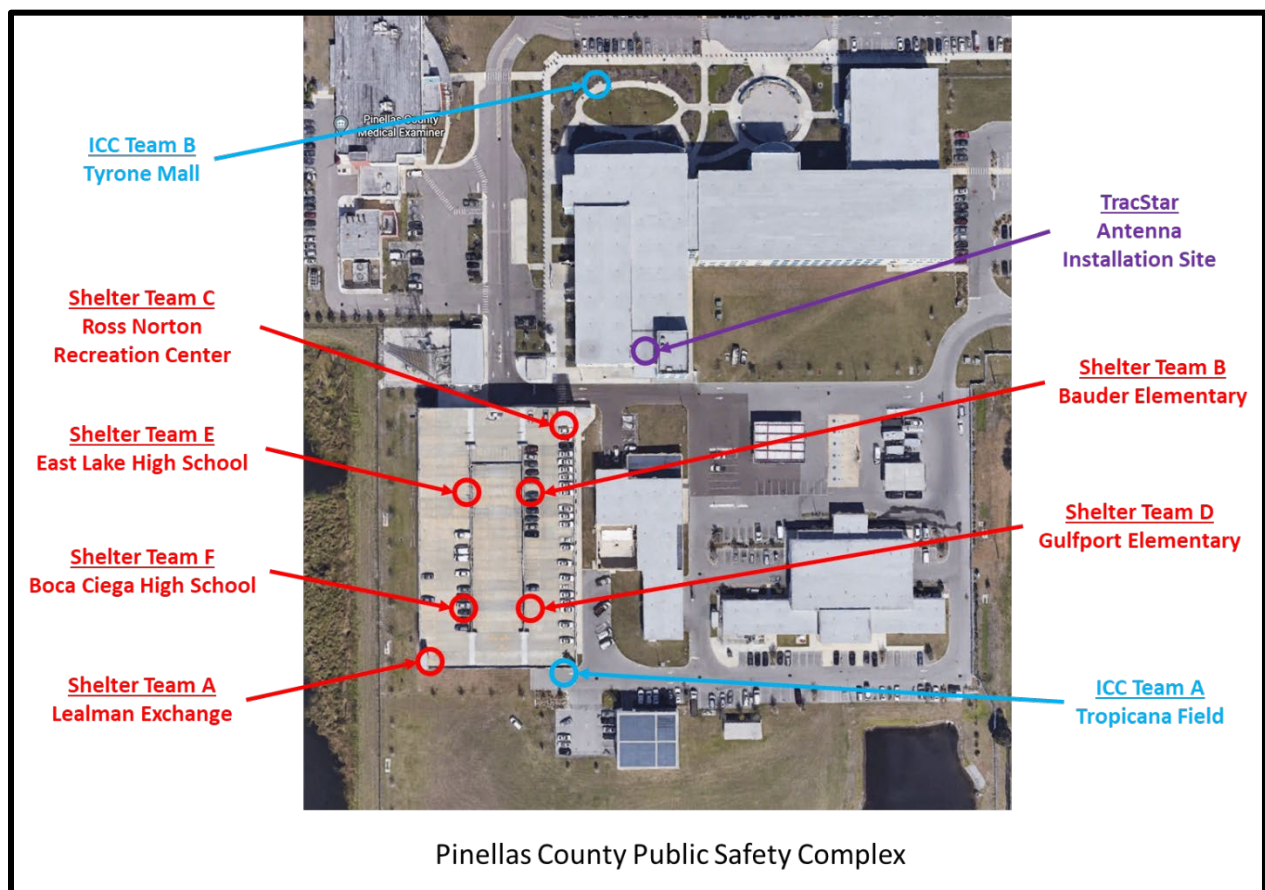


*Figure D- 1. Pinellas County Public Safety Complex*

*Figure D- 2.  Parking Garage - Shelter Venues – Northeast Corner*

*Figure D- 3.  Typical Shelter Venue - Fourth Level Parking Garage*

*Figure D- 4.  SW Corner Shelter Venue - Fourth Level Parking Garage*

*Figure D- 5.  ICC Venue B - Southeast Corner of Parking Garage*

*Figure D- 6.  ICC Venue A - Northwest front of Public Safety Complex*

*Figure D- 7.  TracStar Satellite Antenna Site – Southwest Corner Public Safety Complex Roof*
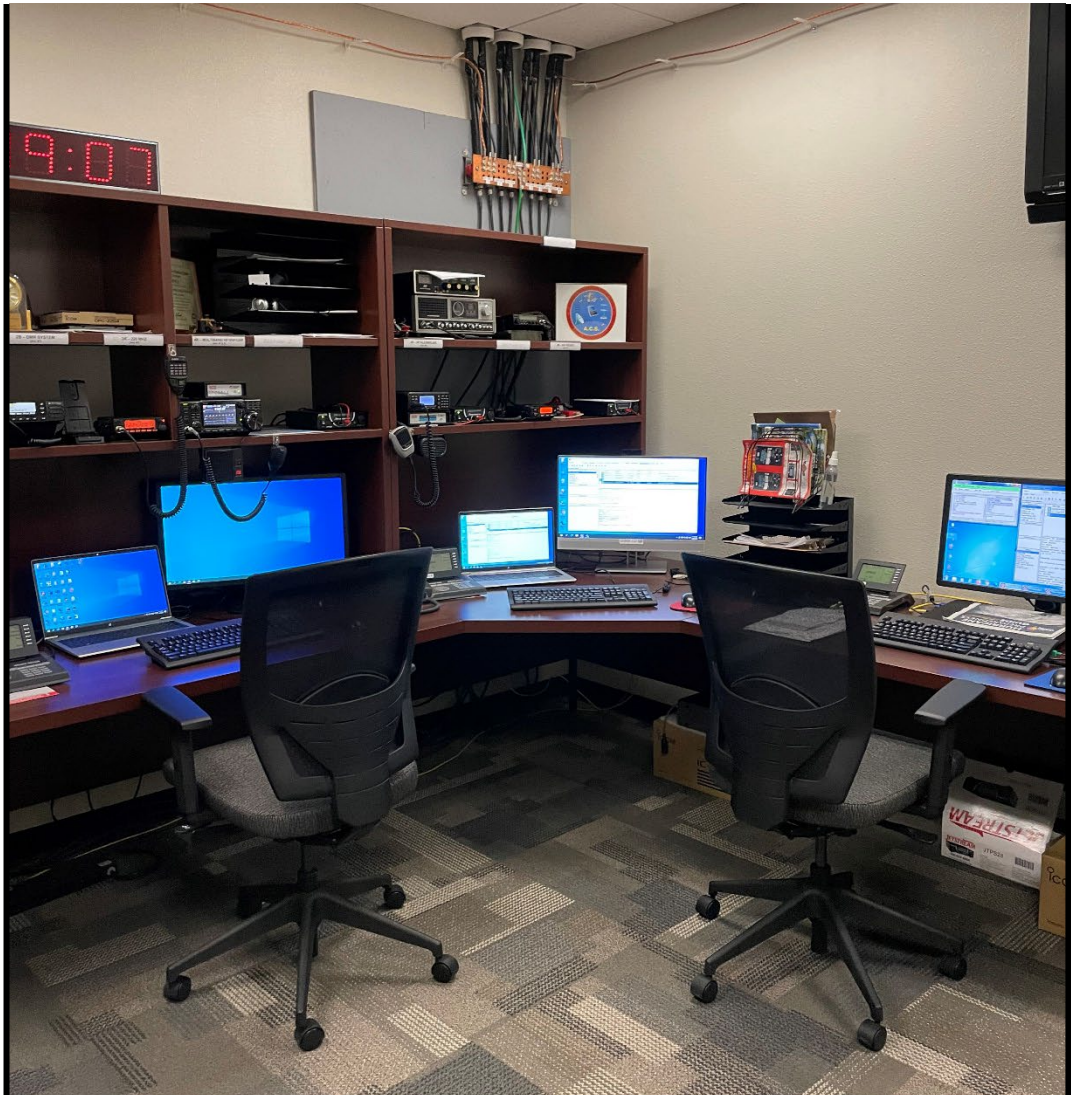
*Figure D- 8.  Pinellas EOC Radio Room*

*Figure D- 9. Equipment Storage and Distribution Site - Second Floor Public Safety Complex*
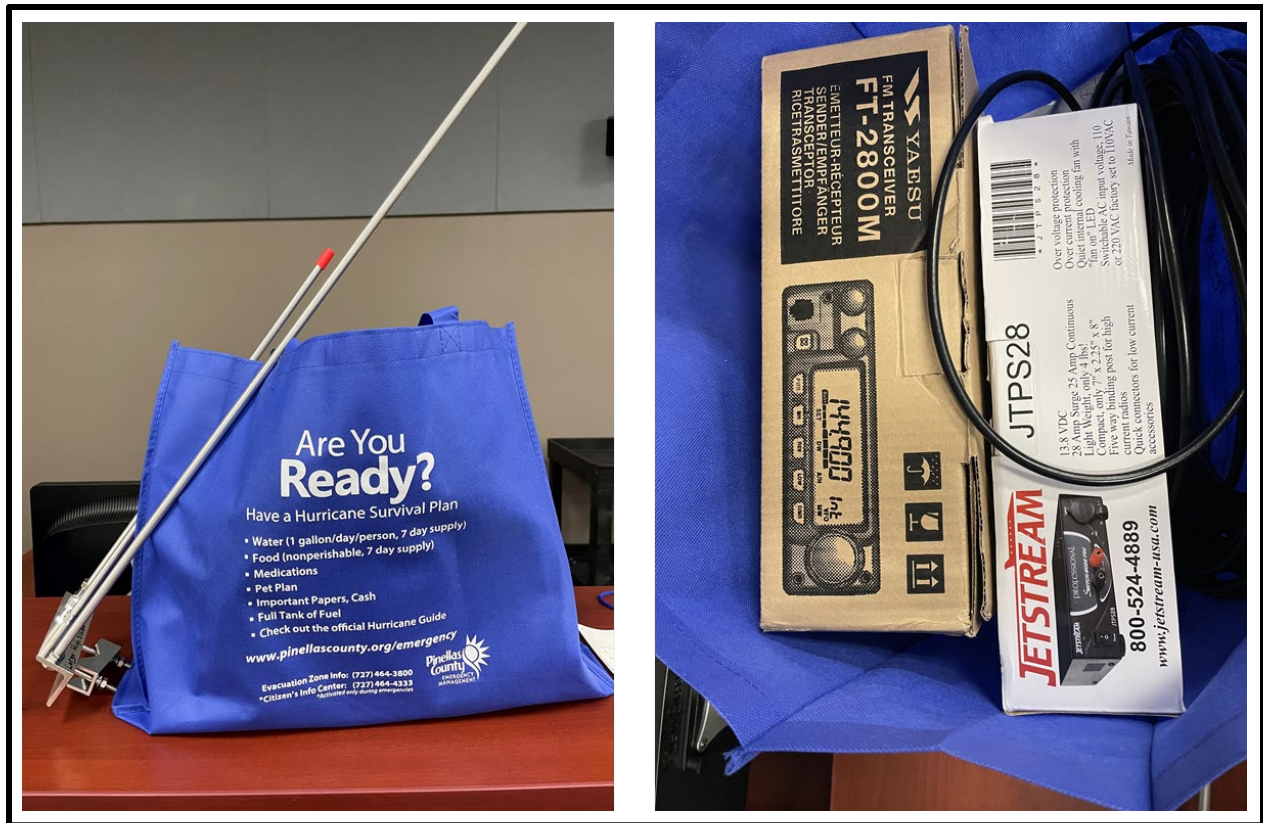
*Figure D- 10.  Shelter Radio Go-Kit*

# Appendix E

## E   EXERCISE SCENARIO

The primary objective of this exercise is to evaluate the performance of ACS during a simulated hurricane emergency that requires the Pinellas County EOC to be activated, emergency evacuation shelters to be opened, and one or more Incident Communication Centers to be deployed. ACS participants will be required to obtain communications equipment from the EOC; install, configure, and operate communications equipment at simulated emergency evacuation shelters; and emplace, configure, operate, and maintain SatRunner™ CRDs™ and CommandRunner™ CRDs™ at simulated ICCs.

### E.1   EXERCISE OPERATIONAL PERIODS

The exercise is divided into the three operational periods described below.

#### E.1.1   EXERCISE OPERATIONAL PERIOD 1 – THE APPROACHING STORM

This operational period begins at 0900 on exercise day one, Sunday May 1st, and terminates at 0730 on exercise day three, Tuesday May 3rd. During this operational period, simulated tropical storm **Amaranth** forms in the Gulf of Mexico and rapidly intensifies to a category 1 Hurricane. As the storm forms and intensifies, the Pinellas County ACS Radio Officer notifies the ACS membership first of ACS Activation level 3, then of Activation level 2. Late on the evening of May 2nd, the ACS RO notifies the membership that ACS will transition to a Level 1 activation at 0700 on May 3rd. As each ACS activation level is announced by the ACS RO, the ACS Tactical-Resource net is activated.

#### E.1.2   EXERCISE OPERATIONAL PERIOD 2 – EOC ACTIVATION

This operational period begins at 0900 on exercise day three, May 3rd, and terminates at 1330 on the same day. During this operational period, the Pinellas County EOC is activated, Pinellas

County orders the mandatory evacuation of zones A, B, and C; emergency evacuation shelters are opened; and Incident Communication Center (ICC) equipment is prepositioned. At 0700, the ACS RO sets activation level 1 for Pinellas ACS and the ACS Tactical-Resource net is established. The Net Control Station notifies all exercise participants to activate and assemble at the Pinellas County EOC for an operational briefing.

a. **Evacuation Shelters** – Up to six Simulated Shelters will be opened. Each simulated shelter will be staffed with two ACS radio operators.

    (1)    Ross Norton Recreation Center

    (2)    Bauder Elementary School

    (3)    Lealman Exchange

    (4)    Gulfport Elementary School

    (5)    East Lake High School

    (6)    Boca Ciega High School

ACS RADOs at each simulated evacuation shelter will demonstrate the ability to exchange informal and formal voice message traffic with the EOC, maintain appropriate ICS documentation throughout the exercise, and perform demobilization procedures.

b. **Incident Communication Centers** – Two simulated ICCs will be opened. Each ICC will be staffed with three ACS radio operators.

    (1)    Tyrone Mall – Point of Distribution Site

    (2)    Tropicana Field – ICS Staging Area

The ACS RADOs at each simulated ICC will demonstrate the ability to exchange informal and formal voice and digital message traffic with the EOC using VHF amateur radio and the P25 800-MHz system. These ACS RADOs will also configure the ICC to provide localized cellular phone and internet service using a SATCOM backhaul circuit. Basic communications tests will be performed

between the ICCs and each municipality using VoIP telephone circuits, the P25 800-MHz radio system, and VHF amateur radio frequencies.

c.   **EOC Radio Room** – The EOC Radio Room will be staffed with three ACS radio operators. These radio operators will demonstrate the ability to establish the ACS Tactical-Resource and ACS Shelter nets and perform the role of net control; exchange informal and formal voice message traffic with the evacuation shelters and ICCs; exchange formal digital message traffic with the ICCs using VHF Winlink; and maintain appropriate ICS documentation throughout the exercise period.

### E.1.3  EXERCISE OPERATIONAL PERIOD 3 – POST STORM ACTIVITIES

This operational period begins at 1500 on exercise day three, May 3rd, and terminates at 1730 on the same day. During this operational period, hurricane Amaranth departs Pinellas County, and the weather clears sufficiently to allow personnel onto the roof the public safety complex. All internet, cell phone, and land line circuits at the EOC are inoperative requiring the use of Satellite and HF radio circuits for communications with the State of Florida EOC.

a.   **EOC Radio Room** – The EOC Radio Room will be staffed with five ACS radio operators. These radio operators will demonstrate the ability to establish and maintain communications with the state of Florida EOC using Satellite and HF radio circuits.

(1)   Perform communication checks between the Pinellas County EOC and the State of Florida EOC using the EMnet, MSAT, and TracStar voice satellite networks.

(2)   Exchange digital message traffic with the State of Florida EOC using both HF amateur radio and SHARES frequencies.

## E.2   WEATHER

On May 2$^{nd}$, 2022, day one of the exercise, a simulated cold front moves over the southern Gulf of Mexico. A tropical depression forms, later becoming Tropical Storm Amaranth. On the morning of May 3$^{rd}$, 2022, day three of the exercise, the simulated weather has not yet begun to deteriorate, and ACS team members are able to move between their homes, the EOC, and deployment locations without being impacted by the weather.

If on the day of the exercise, inclement weather prevents the deployment of equipment onto the top floor of the parking garage, simulated shelter locations will be moved to the second floor of the garage. ICC locations will be moved to the first floor of the garage.

## E.3   MAJOR EVENTS

The following sections describes the major events and play actions that take place at each venue of the exercise.

### E.3.1   PINELLAS COUNTY EOC

The following major events and player actions will take place at EOC.

   a.   On Sunday May 1$^{st}$, the National Weather Service issues a bulletin stating that a tropical depression is likely to form in the Southern Gulf of Mexico and that the projected storm track includes Pinellas County.

   b.   ACS RO notifies ACS membership of Level 3 Activation via Pinellas Alert System and ACS Tactical Resource Net is established at level 3.

   c.   On Monday May 2nd, a simulated cold front moves over the southern Gulf of Mexico. A tropical depression forms, later becoming Tropical Storm Amaranth. There is a high probability that the hurricane will make landfall within Pinellas County.

d.　As the simulated storm intensifies and land fall probability at Pinellas County increases, ACS RO notifies ACS membership of Level 2 Activation via Pinellas Alert System and ACS Tactical-Resource net is established at level 2.

e.　Late on the evening of May 2nd, the ACS RO notifies the membership via Pinellas Alert that ACS will be transitioning to Level 1 activation at 0700 on the morning of May 3rd.

f.　On the morning of May 3rd, Pinellas County orders the mandatory evacuation of zones A, B, and C; Emergency evacuation shelters are opened; and ICC equipment is prepositioned. The ACS Tactical-Resource net is established at Level 1. ACS RADOs scheduled for deployment report to the EOC.

## E.3.2  PINELLAS COUNTY EOC RADIO ROOM

The following major events and player actions will take place at the Pinellas County EOC Radio Room.

a.　Establish and manage the ACS Tactical-Resource net by performing the role of NCS.

b.　Establish and manage the ACS Shelter net by performing the role of NCS.

c.　Request, receive, and process simulated shelter site status reports.

d.　Send ICS 213 formal message traffic to each simulated shelter and ICC and receive ICS 213 formal message traffic from each simulated shelter and ICC in accordance with the information contained within INJECT envelopes provided by the exercise controller.

e.　Manage the demobilization of simulated shelter and ICC sites in accordance with the direction received from exercise controllers.

f.　Install the TrackStar satellite antenna system onto the roof of the public safety complex and perform basic communication tests with the state of Florida EOC. Once complete, deinstall and pack the TrackStar antenna.

g.      Perform basic communication tests with the state of Florida EOC using the EMnet and MSAT satellite systems.

h.      Send ICS 213 formal message traffic to the State of Florida EOC and receive ICS 213 formal message traffic from the State of Florida EOC in accordance with the information contained within INJECT envelopes provided by the exercise controller.

### E.3.3  SIMULATED PINELLAS COUNTY EMERGENCY EVACUATION SHELTER

The following major events and player actions will take place at each simulated emergency evacuation shelter deployment site.

a.      Obtain shelter communications equipment from the ACS logistics officer at the Pinellas County EOC.

b.      Install and configure communications equipment at the simulated emergency evacuation shelter.

c.      Establish communications with the EOC by checking into the ACS shelter net.

d.      Upon request, send shelter status reports to the EOC.

e.      Send ICS 213 formal message traffic to the EOC and receive ICS 213 formal message traffic from the EOC in accordance with the information contained within INJECT envelopes provided by the exercise controller.

f.      Upon direction from the EOC, demobilize and return communications equipment to the ACS logistics officer.

### E.3.4  SIMULATED INCIDENT COMMUNICATIONS CENTER

The following major events and player actions will take place at each simulated Incident Communications Center site.

a.      Upon site arrival, emplace and power the SatRunner™ CRD™ and CommandRunner™ CRD™.

b.      Configure the SatRunner™ CRD™ to use a SATCOM WAN backhaul circuit and verify proper satellite WAN connectivity.

c.      Configure the SatRunner™ CRD™ to provide AT&T Firstnet® and Verizon (if CRD™ configured) cellular service, highspeed internet, Wi-Fi, and VoIP telephone capabilities and then verify the operational status of all services.

d.      Configure the CommandRunner™ CRD™ to provide Amateur Radio (VHF/UHF) voice and digital networks; 700 and 800 MHz public safety radio networks; highspeed internet via a Wi-Fi interface to the collocated SatRunner™ CRD™, and then verify the operational status of all services.

e.      ACS RADO will contact Pinellas EOC via SatRunner™ CRD™ VoIP phone.

f.      ACS RADO will establish communications with the EOC by checking into the ACS Tactical-Resource net (VHF).

g.      Send ICS 213 formal message traffic to the EOC and receive ICS 213 formal message traffic from the EOC in accordance with the information contained within INJECT envelopes provided by the exercise controller.

h.      Perform basic communication tests with each Pinellas County municipality using VoIP telephone, P-25 radio, and amateur radio circuits.

i.      Upon direction from the EOC, de-energize, pack, and prepare the SatRunner™ CRD™ and CommandRunner™ CRD™ for transport.

# Appendix F

## F ACRONYMS, ABBREVIATIONS, AND DEFINITIONS

### F.1 ACRONYMS

The following acronyms are used in this document.

| ACRONYM | DEFINITION |
|---|---|
| AAR/IP | After Action Report / Improvement Plan |
| AC | Alternating Current |
| ACS | Auxiliary Communication Service |
| ARES® | Amateur Radio Emergency Service |
| ARRL® | American Radio Relay League |
| CRD | Compact Rapid Deployable |
| DEM | Department of Emergency Management |
| EC | Emergency Coordinator |
| EEG | Exercise Evaluation Guide |
| EOC | Emergency Operations Center |
| HF | High Frequency |
| HSEEP | Homeland Security Exercise and Evaluation Program |
| ICC | Incident Communications Center |
| ICS | Incident Command System |
| MSEL | Master Scenario Event List |
| NCS | Net Control Station |
| NOAA | National Oceanic and Atmospheric Administration |
| PTB | Position Task Book |
| RO | Radio Officer |
| SOP | Standard Operating Procedure |

| ACRONYM | DEFINITION |
|---------|------------|
| SWIC | Statewide Interoperability Coordinator |
| UHF | Ultra-High Frequency |
| VHF | Very-High Frequency |
| VoIP | Voice over Internet Protocol |
| WAN | Wide Area Network |

## F.2  ABBREVIATIONS

The following abbreviations are used in this document.

| ABBREVIATION | DEFINITION |
|--------------|------------|
| AUXC | Auxiliary Communicator |
| AUXCOMM | Auxiliary Communications |
| EndEx | End of Exercise |
| ExPlan | Exercise Plan |
| MHz | Megahertz |
| RADO | Radio Operator |
| SATCOM | Satellite Communications |
| SHARES | Shared Resources |
| StartEx | Start of Exercise |