



# 2022 Service Denied Exercise (Pinellas County Segment) ACS Exercise Plan

20 September 2022 Revision Draft 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 2022 Service Denied Exercise. This plan is a component of the overarching 2022 Service Denied Exercise Plan. Its scope is limited to the evaluation of the communications objectives and critical tasks performed by Pinellas ACS during a communications and power system emergency.

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# FOREWORD

The **2022 Service Denied** exercise is designed to evaluate the performance of Florida amateur and SHARES radio networks during a simulated communications emergency. It is a multi-county exercise with a total of twenty-three Florida county Amateur Radio Emergency Service® (ARES®)/Auxiliary Communications Service (ACS) teams participating. The exercise is designed and administered by the North Florida Section of the American Radio Relay League (ARRL®). Pinellas County ACS is a participant in this exercise. The overarching [2022 Service Denied exercise plan \(ExPlan\)](#) is located on the Website for the North Florida Section.

This Pinellas County segment of the exercise Plan contains the information needed by the Pinellas County ACS to plan, control, evaluate, and participate in the **2022 Service Denied** Exercise. This plan is a component of the overarching **2022 Service Denied** Exercise Plan. Its scope is limited to the evaluation of the communications objectives and critical tasks performed by Pinellas ACS during a communications and power system emergency.

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

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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, WA1RYQ, email: [WA1RYQ@arrl.net](mailto:WA1RYQ@arrl.net).

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## Record of Changes

| REVISION      | DESCRIPTION   | DATE       |
|---------------|---|------------|
| Draft Rev (-) | Initial Release   | 09/05/2022 |
| Draft Rev A   | <ul style="list-style-type: none"><li>• Corrected minor formatting and spelling issues.</li><li>• Corrected first use of abbreviations.</li><li>• Added introductory paragraph to FORWARD that describes high level exercise objective and identifies the North Florida Section of ARRL as the organization responsible for design, planning, and administration of exercise.</li><li>• Updated description of safety observer responsibilities in paragraph 3.1.3 to include both antenna installation and deinstallation.</li><li>• Deleted reference to ICS 205A in paragraph 5.2.1. Updated to describe generic exercise check-in form.</li><li>• Added paragraph 2.4.1.1, venue specific assumptions.</li><li>• Updated List controllers in section A.1.</li><li>• Updated Table B- I, Exercise Support Staff.</li><li>• Updated all of Appendix E, Exercise Scenario.</li></ul> | 09/18/2022 |
|               |   |            |

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## 1 EXERCISE OVERVIEW

|                         |   |
|-------------------------|---|
| Exercise Name           | 2022 Service Denied   |
| Exercise Dates          | October 1st, 2022   |
| Scope                   | The Pinellas County segment of this exercise will evaluate the communications objectives and critical tasks performed by Pinellas ACS during a communications and power system emergency.   |
| Focus Area(s)           | Response  |
| Capabilities            | Operational Communications  |
| Pinellas ACS Objectives | <ol style="list-style-type: none"><li>1. (EE01) During a simulated regional communications emergency, the ACS Radio Officer (RO) or his designee will notify the ACS membership of all activation events, deployment assignments, and site deactivation announcements; manage and track the distribution of ACS communication resources; and monitor the travel status of deployed ACS resources to ensure their safe arrival.</li><li>2. (EE02) During a simulated regional communications emergency, Pinellas ACS RADOs located at the EOC will establish and maintain Very High Frequency (VHF), Ultra High Frequency (UHF) amateur radio and 800 MHz Public Safety voice and data networks that support the exchange of tactical and formal message traffic between deployed ACS resources, Pinellas County municipalities, partner agencies, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.</li><li>3. (EE04) During a simulated regional communications emergency, Pinellas ACS RADOs located at the EOC will establish and maintain High Frequency (HF) amateur voice, HF amateur digital, SHARES voice, and SHARES digital radio networks that support the exchange of tactical and formal message traffic between deployed ACS resources, partner agencies, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.</li></ol> |

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| Exercise Name           | 2022 Service Denied   |
|-------------------------|---|
| Pinellas ACS Objectives | <ol style="list-style-type: none"><li>4. (DE02) During a simulated regional communications emergency, 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.</li><li>5. (DE04) During a simulated regional communications emergency, Pinellas ACS RADOs located at deployable Communications Control Centers 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, partner agencies, and the Pinellas County EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.</li><li>6. (DE05) During a simulated regional communications emergency, Pinellas ACS RADOs located at deployable Communications Control Centers will establish and maintain HF amateur voice, HF amateur digital, SHARES voice, and SHARES digital radio networks that support resource management and tactical message exchanges between deployed ACS resources, the Pinellas County EOC, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.</li><li>7. (SE01) During a simulated regional communications emergency, Pinellas County ACS RADOs located at simulated emergency evacuation shelters will emplace, configure, and maintain deployable VHF amateur radio terminals that support the exchange of tactical and formal traffic using analog voice and the Winlink Data network. Resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures.</li></ol> |

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|                             |  |
|-----------------------------|--|
| Exercise Name               | <b>2022 Service Denied</b>   |
| Pinellas ACS Objectives     | 8. (SE02) During a simulated regional communications emergency, Pinellas ACS RADOs located at simulated emergency evacuation shelters will establish and maintain VHF voice and Winlink data networks that support the exchange of tactical and formal message traffic with the Pinellas County EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures. |
| Threat/Hazard               | Communication and power distribution system emergency  |
| Scenario                    | On October 1 <sup>st</sup> , 2022, at approximately 0900 EDT, news stations across the state have reported mass outages of all telecommunications services throughout the state of Florida. Service outages began with internet service being unavailable, but the outages have since spread to cellular and traditional voice communications methods.   |
| 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

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### 2.1 EXERCISE OBJECTIVES AND CAPABILITIES

The Pinellas County 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 Pinellas County ACS Exercise Planning Team.

Table I. Exercise Objectives and associated Capabilities

| Exercise Objective  | Core Capability            |
|---|----------------------------|
| (EE01) During a simulated regional communications emergency, the ACS RO or his designee will notify the ACS membership of all activation events, deployment assignments, and site deactivation announcements; manage and track the distribution of ACS communication resources; and monitor the travel status of deployed ACS resources to ensure their safe arrival.   | Operational Communications |
| (EE02) During a simulated regional communications emergency, Pinellas ACS RADOs located at the EOC will establish and maintain VHF/UHF amateur radio and 800 MHz Public Safety voice and data networks that support the exchange of tactical and formal message traffic between deployed ACS resources, Pinellas County municipalities, partner agencies, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures. | Operational Communications |

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Table I. Exercise Objectives and associated Capabilities

| Exercise Objective  | Core Capability            |
|---|----------------------------|
| (EE04) During a simulated regional communications emergency, Pinellas ACS RADOs located at the EOC will establish and maintain HF amateur voice, HF amateur digital, SHARES voice, and SHARES digital radio networks that support the exchange of tactical and formal message traffic between deployed ACS resources, partner agencies, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.   | Operational Communications |
| (DE02) During a simulated regional communications emergency, 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 |
| (DE04) During a simulated regional communications emergency, Pinellas ACS RADOs located at deployable Communications Control Centers 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, partner agencies, and the Pinellas County EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures. | Operational Communications |

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Table I. Exercise Objectives and associated Capabilities

| Exercise Objective  | Core Capability            |
|---|----------------------------|
| (DE05) During a simulated regional communications emergency, Pinellas ACS RADOs located at deployable Communications Control Centers will establish and maintain HF amateur voice, HF amateur digital, SHARES voice, and SHARES digital radio networks that support resource management and tactical message exchanges between deployed ACS resources, the Pinellas County EOC, and the state of Florida EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures. | Operational Communications |
| (SE01) During a simulated regional communications emergency, Pinellas County ACS RADOs located at simulated emergency evacuation shelters will emplace, configure, and maintain deployable VHF amateur radio terminals that support the exchange of tactical and formal traffic using analog voice and the Winlink Data network. Resource deployment, and demobilization will be performed in accordance with ACS standard operating procedures   | Operational Communications |
| (SE02) During a simulated regional communications emergency, Pinellas ACS RADOs located at simulated emergency evacuation shelters will establish and maintain VHF voice and Winlink data networks that support the exchange of tactical and formal message traffic with the Pinellas County EOC. Network establishment, network management, and message exchange protocols will be performed in accordance with ACS standard operating procedures.   | Operational Communications |

## 2.2 ALIGNMENT OF EXERCISE OBJECTIVES

The overarching **2022 Service Denied** exercise plan identifies six objectives for the exercise. These objectives are listed in Table II. The venue specific objectives for each Pinellas County venue (i.e., EOC Radio Room, deployable Communications Control Center, and Emergency Evacuation Shelter), defined in Table I, were previously defined and detail the capability targets and critical tasks needed to demonstrate compliance with the overarching **2022 Service Denied** exercise objectives.

Table II contains a cross reference between the set of overarching **2022 Service Denied** exercise objectives and the Pinellas County ACS venue specific objectives and capability targets. Capability Targets and Critical Tasks are defined in each venue specific Exercise Evaluation Guide (EEG).

**Table II. Exercise Objective Cross-Reference**

|   | Exercise Objectives   | PACS Objectives                                      | Capability Targets   |
|---|---|--|--|
| 1 | Ability to activate communication resources without traditional methods such as phone, text, or email.                                  | EE01, EE02, EE04,<br>DE02, DE04, DE05,<br>SE01, SE02 | ECT1, ECT3, ECT4,<br>ECT5, ECT7, ECT8,<br>DCT3, DCT6, DCT7,<br>DCT8, SCT1, SCT2,<br>SCT4, SCT5 |
| 2 | Ability to communicate with state and other agency Departments of Emergency Management using only amateur or SHARES radio. <sup>1</sup> | EE02, EE04, DE05                                     | ECT3, ECT5, ECT7,<br>ECT8, DCT7, DCT8  |

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<sup>1</sup> Pinellas County emergency evacuation shelters are only equipped with VHF amateur radio equipment.

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**Table II. Exercise Objective Cross-Reference**

|   | <b>Exercise Objectives</b>  | <b>PACS Objectives</b>             | <b>Capability Targets</b>  |
|---|---|------------------------------------|--|
| 3 | Ability to send structured messages by one or more techniques<br>a. Ability to correctly utilize Incident Command System (ICS) forms for official messaging.<br>b. Ability to provide health and welfare messaging to public. | EE02, EE04, DE02, DE04, DE05, SE02 | ECT3, ECT4, ECT5, ECT7, ECT8, DCT3, DCT6, DCT7, DCT8, SCT4, SCT5 |
| 4 | Ability to gather and report situational utility reports from both agencies and individuals.  | EE02, EE04, DE02, DE04, DE05, SE02 | ECT3, ECT4, ECT5, ECT7, ECT8, DCT3, DCT6, DCT7, DCT8, SCT4, SCT5 |
| 5 | Ability to withstand loss of electricity <sup>2</sup>   | DE02 <sup>3</sup>                  | DCT3   |
| 6 | Interoperability <sup>4</sup>   | EE02, EE04, DE02, DE04, DE05       | ECT3, ECT4, ECT5, ECT7, ECT8, DCT3, DCT6, DCT7, DCT8             |

<sup>2</sup> Each Pinellas County emergency evacuation shelter receives AC power from commercial sources and back-up diesel generators. The back-up diesel generators are tested weekly and the transition from commercial power to back-up generator power is seamless. No additional testing will be performed during this exercise.

<sup>3</sup> The Pinellas County Public Safety (EOC) complex receives AC power from commercial sources and back-up diesel generators. The back-up diesel generators are tested weekly and the transition from commercial power to back-up generator power is seamless. No additional testing will be performed during this exercise.

<sup>4</sup> Pinellas County emergency evacuation shelters are only tasked with exchanging information with the Pinellas County EOC.

## 2.3 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 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.

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- (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.

## 2.4 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.

### 2.4.1 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.

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#### 2.4.1.1 Venue Specific Assumptions

The following venue specific assumptions apply to this exercise.

- a. The Pinellas County EOC and sheriff's department is housed within the Pinellas County Public Safety complex. The complex receives AC power from commercial sources and back-up diesel generators. The back-up diesel generators have sufficient fuel for a minimum of three days. The transition to back-up power is seamless.
- b. During an activation event, Pinellas County will deploy both police and emergency medical services (EMS) personnel to all activated emergency evacuation shelters and ICCs. These personnel are available for immediate support.
- c. Each Pinellas County emergency evacuation shelter has a back-up diesel generator and sufficient fuel for three days of operation. The transition to back-up power is seamless.

#### 2.4.2 Artificialities

The following artificialities apply to this exercise.

- a. Communication Control Center teams will deploy to locations on the Pinellas County Public Safety Complex where CommandRunner™ CRDs™ have been prepositioned. ACS teams will be deployed prior to the exercise so that the CRDs™ can be emplaced and configured; and an HF Near Vertical Incident Skywave (NVIS) antenna system deployed and tested before the overarching exercise begins.
- b. ACS teams will not be deployed to Pinellas County emergency evacuation shelters. Players assigned to simulated emergency evacuation shelters will participate in the exercise from their homes.



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- c. During exercise play, the following communication systems are assumed to be inoperative and unavailable for use during the exercise. Players will disconnect computers from the internet and cellular phones will be placed in airplane mode.
  - (1) Internet systems within the state of Florida
  - (2) Landline and Cellular phone systems within the state of Florida
  - (3) Satellite communication networks
  - (4) WebEOC connectivity between the Pinellas County EOC and all external partners.
  
- d. During exercise play, only the communication systems listed below are available for use.
  - (1) Winlink data network
    - (a) HF, VHF, and UHF Peer-to-Peer (P2P) operation
    - (b) HF out-of-region Winlink Radio Message Server (RMS) units retain connectivity to the Winlink Common Message Server (CMS).
    - (c) Winlink Hybrid RF-Only Network
  - (2) Local VHF/UHF amateur radio and General Mobile Radio Service (GMRS) repeaters.
    - (a) All repeater systems used during the exercise must have a back-up power system and operate in the absence of internet connectivity.
  - (3) HF Amateur radio and SHARES
  - (4) Pinellas County P25 800 MHz radio network
  - (5) Commercial broadcast radio and television
  - (6) National Oceanic and Atmospheric Administration (NOAA) Weather Radio
  - (7) Radio Station WWV

## 3 EXERCISE LOGISTICS

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### 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.
- c. All exercise participants operating on the Pinellas County Safety Complex are required to wear, at all times, a high visibility safety vest.

### 3.1.1 Gasoline Powered Generator Hazards

The following gasoline powered generator safety procedures apply to this exercise.

- a. Read and adhere to all safety instructions, cautions, and warnings documented in the generators operating manual.
- b. Engine exhaust contains poisonous carbon monoxide. Do not operate generator without adequate ventilation, and never run the generator indoors.
- c. The generator exhaust becomes very hot during operation. Keep generator at least 1 meter away from other equipment and away from flammable material. Do not place anything on top of the generator.
- d. Gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refueled or where gasoline is stored. Refuel in a well-ventilated area with the engine stopped.
- e. Fuel vapors are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.

### 3.1.2 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 AC generators or radio equipment to rain or any liquids.

### 3.1.3 Antenna System Installation Hazards

Each ICC team will deploy and operate a NVIS antenna system during the exercise. The installation of these antenna systems will require players to attach guy lines to pre-existing

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structures (e.g., light poles) and portable masts in order to elevate the antenna to its operating height. Additionally, ground stakes and guy lines may be required to stabilize portable masts or to tension antenna systems. To ensure the safety of all participants during the exercise, the following safety requirements will be implemented.

- a. The antenna installation and deinstallation teams will include a safety observer whose **only** responsibility is to ensure that the teams comply with the safety requirements of this section.
- b. Only non-conducting guy lines will be used to attach antenna systems to pre-existing structures.
- c. Ground stakes and associated guy lines will be clearly marked with high visibility safety tape.
- d. Antenna segments and tensioning lines at an elevation lower than 7 feet will be clearly marked with high visibility safety tape.

#### 3.1.4 Weather Hazards

ACS RADOs operating in the Pinellas EOC radio room will monitor NOAA Weather Radio and immediately notify the 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.

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- 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. Players deployed to venues located on the Pinellas County Public Safety Complex will be supplied with the exercise documentation set, all communications equipment, except as specified elsewhere in this plan, and administrative supplies needed during the exercise. Players operating from home will be supplied, via email, with only the exercise documentation set.

The exercise documentation set, administrative supplies, and ICS/ARRL® forms that will be needed by each exercise team are listed below.

- a. Exercise Documentation Set
  - (1) Overarching **2022 Access Denied** Exercise Plan
  - (2) **2022 Access Denied** Exercise (Pinellas County Segment) ACS Exercise Plan
  - (3) Position Specific ICS 204 Assignment List
  - (4) ICS 205 Incident Radio Communications Plan
- 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 213RR Resource Request Form

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- (3) ICS 214 Activity Log
- (4) ICS 309 Communications Log
- (5) ARRL Radiogram Form

### 3.3.1 Exercise Venue Staging

Simulated Communication Control Center venues are located in front of the Sherriff's Office complex and on the third floor the public safety complex parking garage. Prior to the exercise, each ICC venue area will be cordoned off using orange safety cones to prevent vehicles and personnel from entering venue areas. Three chairs and a cooler filled with ice and bottled water will be placed in each venue area.

### 3.4 EXERCISE IDENTIFICATION

Each exercise participant deployed to the Pinellas County Safety Complex 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

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### 4.1 DEBRIEFINGS

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

#### 4.1.1 Hotwash

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. The information gathered during each hotwash will contribute to the After-Action Report and Improvement Plan (AAR/IP) and any exercise suggestions can be used to improve future exercises.

The activities associated with the overarching exercise plan are scheduled to terminate at 1130 EDT. A hotwash zoom session is scheduled to begin immediately following the exercise. However, the operational period for Pinellas County ACS will not terminate until all deployed equipment and personnel have completed demobilization. To ensure proper representation during the hotwash, Pinellas County ACS will implement the following steps.

- a. The EOC radio room and Communication Control Center leads will return to the EOC to take part in the meeting. The remaining members of each team will continue with the demobilization tasks required to safely return all deployed equipment and personnel to the EOC.
- b. Each member of a simulated emergency evacuation shelter team is encouraged to immediately take part in the meeting.
- c. The website link to the hotwash zoom meeting is located within the overarching **2022 Service Denied** exercise plan.

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At the conclusion of this meeting, all shelter team members will be released. EOC radio room and Communication control center players will be released once they have completed demobilization and the hotwash meeting is complete.

#### 4.1.2 Participant Feedback Forms

Participant Feedback Forms provide players with the opportunity to comment candidly on exercise activities and exercise design, and to share their observed strengths and areas for improvement.

Feedback forms for the **2022 Service Denied** Exercise will be available online. The website link will be provided to all participants by the overarching exercise director.



## 5 PARTICIPANT INFORMATION AND GUIDANCE

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### 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 5.1.6 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

The following instructions are applicable to all exercise players.

- a. Review appropriate organizational plans, procedures, and exercise support documents.
  - (1) [Pinellas County ACS/ARES® Emergency Communication Plan and Standard Operating Procedures; Rev \(B\)](#)

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- (2) Pinellas County ACS/ARES® Emergency Shelter Plan and Standard Operating Procedure
- (3) [2022 Service Denied Exercise Handout.](#)

The following instructions are applicable to players deployed to the Pinellas County Public Safety complex.

- a. 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 W4ACS repeater and the Pinellas PLAN A (146.4300 MHz Wide) simplex frequency.
  - (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.*

- b. 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.
- c. 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.

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- (2) Participants who arrive at the EOC wearing shorts, tee-shirts, or sandals will be turned away.
- d. Sign in when you arrive. An exercise check-in form will be located at the entrance to the EOC and will be used to keep track of all exercise participants working at the Public Safety complex.

### 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. Complete the Participant Feedback Form.
- c. 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             |
| TBD             | 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 County 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                 | PINCO OPS CHIEF          | N/A                      |
| 4           | PACS Operations Deputy                            | PINCO DEPUTY             | N/A                      |
| 5           | Deputy Radio Officer – Logistics                  | PINCO LOGISTICS          | PINCO-LOG                |
| 6           | Deputy Radio Officer – Admin                      | PINCO ADMIN              | PINCO-ADMIN              |
| 7           | Deputy Radio Officer – Net Manager                | NET MANAGER              | PINCO-NETMAN             |
| 8           | Pinellas EOC Radio Room                           | PINELLAS EOC             | PINCO-EOC                |
| 9           | ICC – Tropicana Field ICS Staging Area            | TROPICANA                | PINCO-CR1                |
| 10          | ICC – Tyrone Mall Point of Distribution Site      | TYRONE                   | PINCO-CR2                |

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| Position<br>No | Position                                   | Voice Tactical Call<br>Sign | Winlink Tactical<br>Address |
|----------------|--|-----------------------------|-----------------------------|
| 11             | Shelter – Bauder Elementary School         | BAUDER ELEMENTARY           | PINCO-SHTR1                 |
| 12             | Shelter – Gulfport Elementary School       | GULFPORT<br>ELEMENTARY      | PINCO-SHTR4                 |
| 13             | Shelter – Lealman Exchange                 | LEALMAN EXCHANGE            | PINCO-SHTR19                |
| 14             | Shelter – Ross Norton Recreation<br>Center | ROSS NORTON                 | PINCO-SHTR29                |
| 15             | Shelter – East Lake High School            | EAST LAKE                   | PINCO-SHTR10                |
| 16             | Shelter – Boca Ciega High School           | BOCA CIEGA                  | PINCO-SHTR3                 |

## 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 ONE

Exercise Operational Period one begins at 0730 hours on Saturday October 1<sup>st</sup>, 2022, 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- I through Table B- IV.

Table B- I. Exercise Support

| No | Name    | Call Sign | AUXC Trained | Team Lead | Function      |
|----|---------|-----------|--------------|-----------|---------------|
| 1  | Clayton | Parrott   | KJ4RUS       | Yes       | Logistics     |
| 2  | Mike    | Drake     | WA1RYQ       | Yes       | Admin Officer |

Table B- II. Incident Communications Center Players

| No | Name  | Call Sign | AUXC Trained | Team Lead | Team       |
|----|-------|-----------|--------------|-----------|------------|
| 1  | Will  | Scott     | W7WMS        | Yes       | <b>TBD</b> |
| 2  | Dave  | Rockwell  | W4PXE        | Yes       | <b>TBD</b> |
| 3  | Dave  | Byrum     | Yes          |           | <b>TBD</b> |
| 4  | Frank | Hagen     | KN4PZY       | TBD       | <b>TBD</b> |
| 5  | Ryan  | Ryczek    | KJ4FXX       | No        | <b>TBD</b> |

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Table B- II. Incident Communications Center Players

| No | Name       | Call Sign | AUXC Trained | Team Lead | Team       |
|----|------------|-----------|--------------|-----------|------------|
| 6  | Gary Potts | KM4DYD    | Yes          |           | <b>TBD</b> |
| 5  | <b>TBD</b> |           |              |           | <b>TBD</b> |
| 6  | <b>TBD</b> |           |              |           | <b>TBD</b> |

Table B- III. Evacuation Shelter Players

| No | Name            | Call Sign | AUXC Trained | Team Lead | Team                   |
|----|-----------------|-----------|--------------|-----------|------------------------|
| 1  | Robert Nicolais | K1NLS     | No           | Yes       | Bauder Elementary      |
| 2  | Robert Burke    | KC4SXO    | No           | Yes       | Lealman                |
| 3  | Steve Oliphant  | N2KBD     | No           | Yes       | Ross Norton            |
| 4  | <b>TBD</b>      |           |              | Yes       | Gulfport Elementary    |
| 5  | <b>TBD</b>      |           |              | Yes       | East Lake High School  |
| 6  | <b>TBD</b>      |           |              | Yes       | Boca Ciega High School |

Table B- IV. Pinellas County EOC Radio Room Players

| No | Name       | Call Sign | AUXC Trained | Team Lead | Team       |
|----|------------|-----------|--------------|-----------|------------|
| 1  | <b>TBD</b> |           |              | Yes       | EOC Team A |
| 2  | <b>TBD</b> |           |              |           | EOC Team A |
| 3  | <b>TBD</b> |           |              |           | EOC Team A |

## 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. Alignment between this schedule and the overarching **2022 Service Denied** Exercise planning schedule is shown by displaying overarching **2022 Service Denied** planning activities in **Red**.

TABLE C- I. Exercise Planning Schedule

| Date                    | Time | Personnel                               | Activity   | Location              |
|-------------------------|------|---|--|-----------------------|
| August 22 <sup>nd</sup> | 2000 | ACS Planners                            | Initial Exercise Planning Meeting  | Zoom                  |
| August 27 <sup>th</sup> | 1000 | All Participants                        | SET Overview & Initial Net Training  | Zoom                  |
| August 31 <sup>st</sup> | 1500 | ACS Planners                            | First distribution of draft EEGs, Exercise Planning Schedule, and draft ICS 204s for review and comment. | Home / Email exchange |
| Sept 2 <sup>nd</sup>    | 1700 | ACS Planners, Controllers, & Evaluators | Exercise Planning Meeting and Site Survey  | Public Safety Complex |
| Sept 5 <sup>th</sup>    | 1500 | ACS Planner                             | Distribution and review of initial PinCo Exercise Plan, Initial PinCo IAP, and updated EEGs.             | Home / Email exchange |



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TABLE C- I. Exercise Planning Schedule

| Date                  | Time      | Personnel                               | Activity  | Location              |
|-----------------------|-----------|---|---|-----------------------|
| Sept 7 <sup>th</sup>  | 1830-2000 | All Participants                        | Basic Telephone Net Procedures  | Zoom                  |
| Sept 14 <sup>th</sup> | 1830      | All Participants                        | SET Training/Q&A  | Zoom                  |
| Sept 15 <sup>th</sup> | 1900      | All ACS Participants                    | Initial Exercise Briefing – Player Identification and role assignments          | EOC                   |
| Sept 20 <sup>th</sup> | 1500      | ACS Planners, Controllers, & Evaluators | Distribution of updated PinCo IAP and Exercise Plan.                            | Home / Email exchange |
| Sept 22 <sup>nd</sup> | 1930      | ACS Planners, Controllers, & Evaluators | Planning Meeting – Final PinCo EEGs, IAP, and Exercise Plan Review and Approval | Zoom                  |
| Sept 24 <sup>th</sup> | 0930      | ACS Planners, Controllers, & Evaluators | Equipment configuration and operability checks                                  | Public Safety Complex |
| Sept 26 <sup>th</sup> | 1500      | Training Officer                        | Deliver Final PinCo IAP to Exercise Coordinator, W4CPD.                         | Email                 |
| Sept 27 <sup>th</sup> | 1930      | All ACS Participants                    | Review of Exercise Objects and schedule with all participants                   | VHF Training Net      |
| Sept 29 <sup>th</sup> | 1600      | All ACS Participants                    | Distribute Exercise material via email to all ACS participants.                 | Home                  |
| Sept 30 <sup>th</sup> | 1830      | All Participants                        | SET Final Review/Q&A  | Zoom                  |

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## C.2 EXERCISE SCHEDULE, SATURDAY OCTOBER 1<sup>ST</sup> 2022

The schedule for the exercise is shown in TABLE C- II. Alignment between this schedule and the overarching **2022 Service Denied** Exercise schedule is shown by displaying the overarching **2022 Service Denied** activities in **Red**.

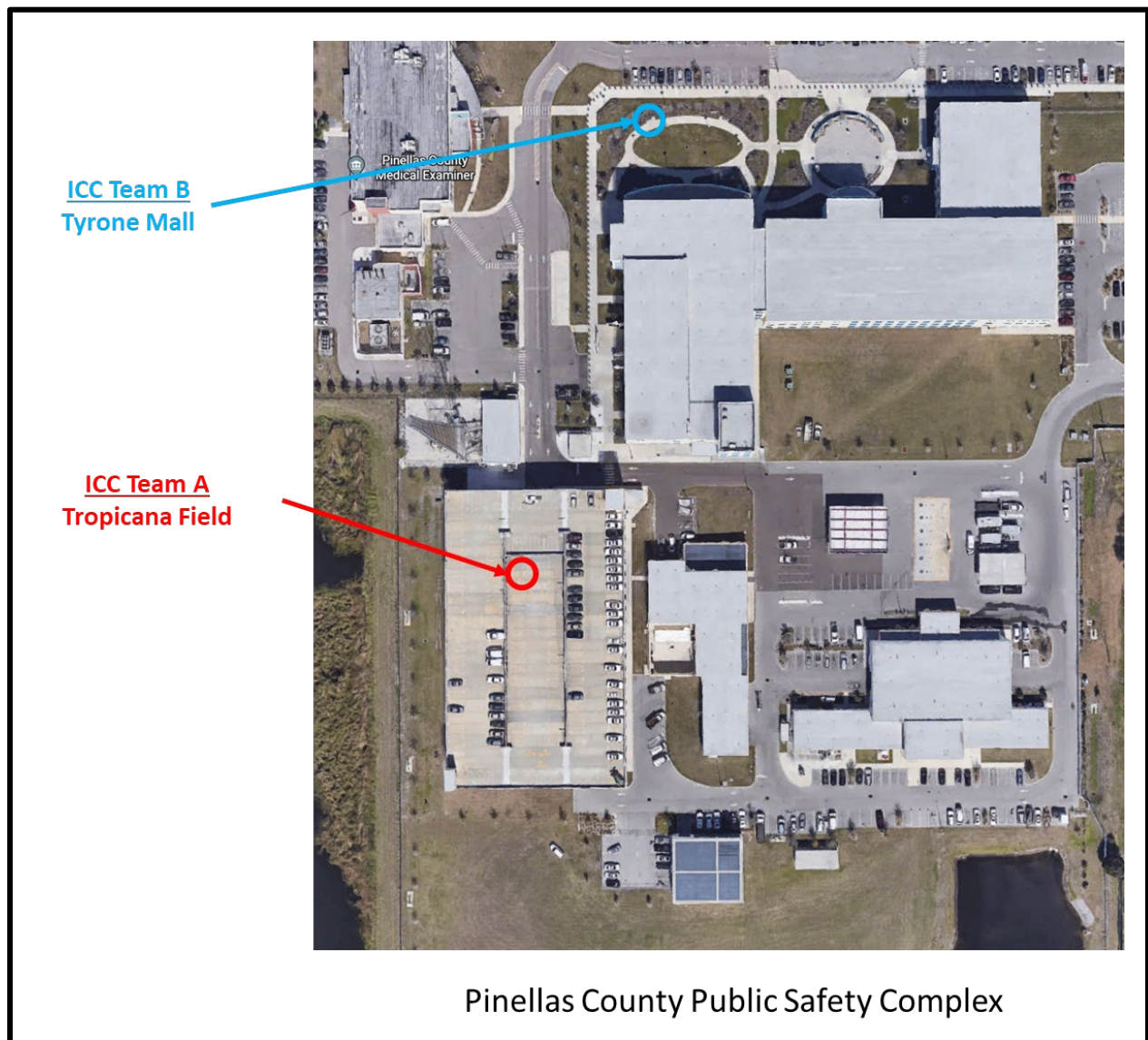
TABLE C- II. Exercise Schedule - Operational Period 1

| Oct <sup>1st</sup> 2022 | Personnel        | Activity  | Location  |
|-------------------------|------------------|---|-----------|
| 0700-0730               | All Participants | Check-in and Operational Briefing   | EOC, Zoom |
| 0730                    | All Players      | Conclude Operational Period Briefing, Release players for deployment – <b>Begin Operational Period 1.</b> | EOC       |
| 0745-0845               | ICC Teams        | Arrive at ICC, emplace and configure CommandRunner™ CRD™. Install and test NVIS antenna system.           | ICC       |
| 0830                    | EOC Team         | Check in to the NFL ARES Net  | EOC       |
| 0900                    | State of Florida | State DEM notifies NFL ARES net of communications emergency.  | EOC       |
| 0905                    | All Players      | NCS activates ACS Tactical Resource Net at level 1 and directs all player to activate.                    | ICC, Home |
| 0905                    | EOC Team         | Check in to VHF State EOC Net (SAR Net)   | EOC       |
| 0905-1130               | All Players      | EXERCISE ACTIVITY   |           |
| 1130-1230               | All Participants | Exercise Hotwash  | EOC       |
| 1130-1230               | ICC Teams        | Shutdown, pack and ready for transport CommandRunner™ CRD™.   | ICC       |
| 1230-1245               | ICC Teams        | Depart ICC location and return to EOC   | ICC, EOC  |
| 1300                    | All Participants | <b>End Operational Period 1 – EndEx</b>   |           |

## Appendix D

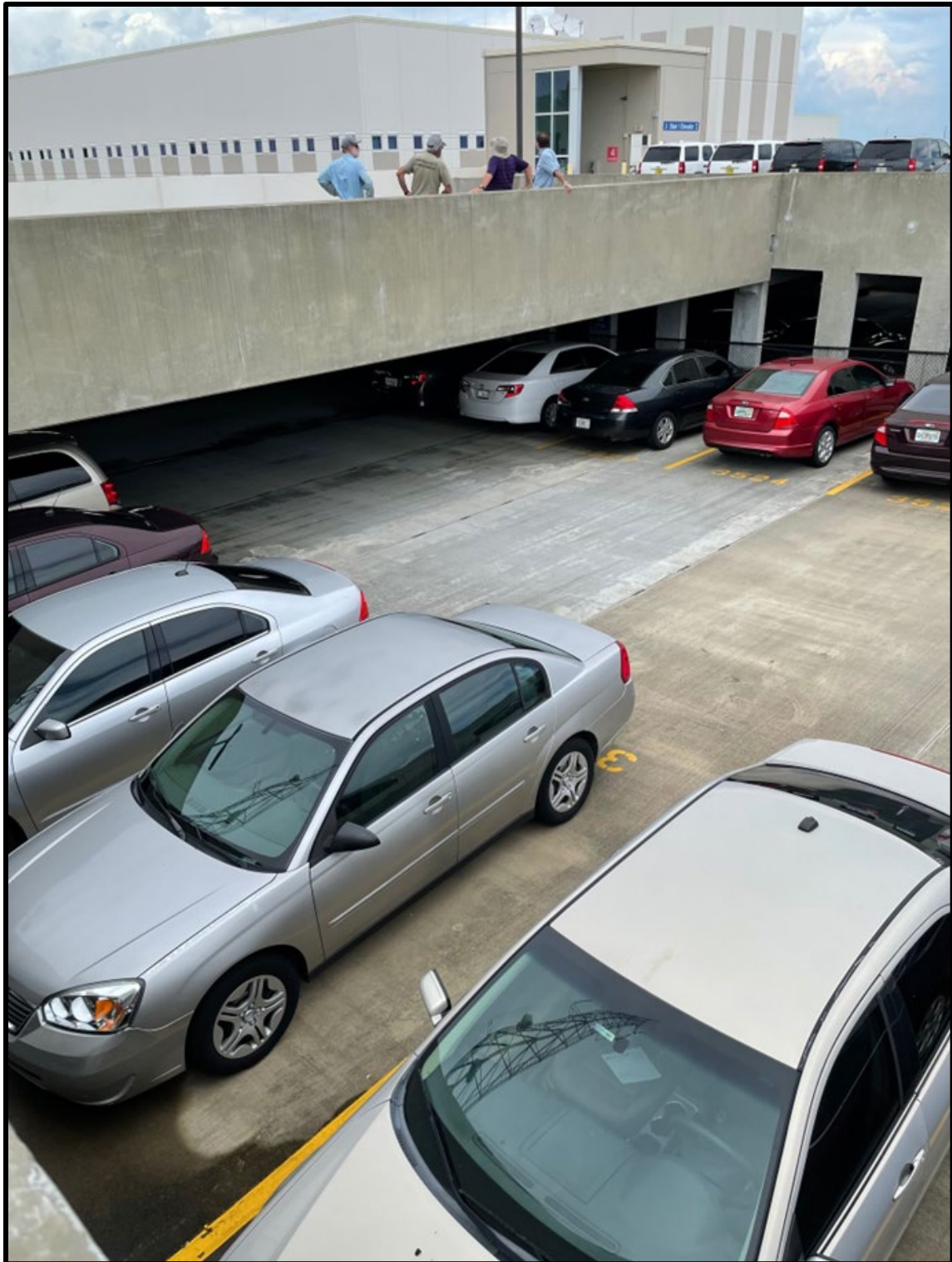
### D EXERCISE SITE VENUES

An exercise site survey was conducted on Friday September 2<sup>nd</sup>, 2022. Venue locations were identified and are documented in the photographs below.



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

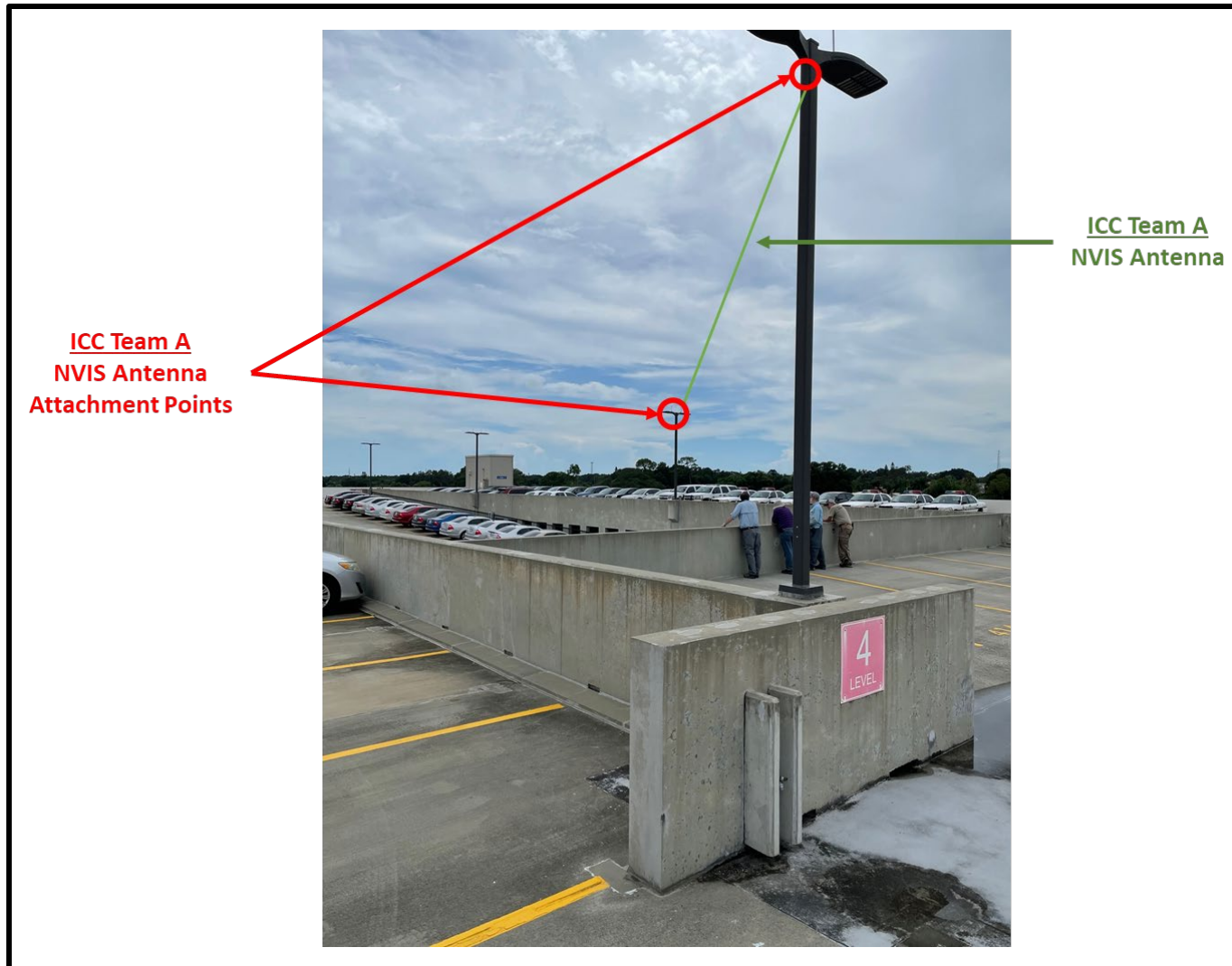
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*Figure D- 2. ICC Venue A – Parking Garage; Third Floor Ramp*



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*Figure D- 3. ICC Venue A – NVIS Antenna Installation*

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*Figure D- 4. ICC Venue B – Northwest front of Public Safety Complex*



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*Figure D- 5. ICC Venue A – NVIS Antenna Installation Site*

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*Figure D- 6. Pinellas EOC Radio Room*



# Appendix E

## E EXERCISE SCENARIO

The **2022 Service Denied** exercise is designed to evaluate the performance of Florida amateur and SHARES radio networks during a statewide simulated communication and power distribution system emergency. It is a multi-county exercise with a total of twenty-three Florida county ARES® and ACS teams participating.

The primary objective of this exercise for Pinellas ACS is to evaluate the performance of Pinellas ACS during a simulated emergency that requires the Pinellas County EOC to be activated, emergency evacuation shelters to be opened, and one or more ICCs to be deployed.

### E.1 EXERCISE SCENARIO OVERVIEW

On October 1, 2022, at approximately 0900 EDT, news stations throughout the state of Florida will begin reporting widespread telecommunication outages. These outages appear to be limited in scope to the state of Florida. At first, only access to the internet becomes unavailable; however, the outages quickly spread to both cellular and traditional voice communication systems.

As the minutes go by, the situation continues to worsen with sweeping blackouts in various portions of the state. People begin to panic. Roads become gridlocked as people rush to buy supplies, groceries, and fuel before all available stocks are exhausted. Lines at banks begin to form due to fears that credit and debit cards may be unusable, and people begin withdrawing cash at an alarming rate.

Emergency Managers from many counties begin level 1 activation activities to open shelters for those impacted by the widespread power outages.

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The governor quickly declares a state of emergency in Florida. The Florida Division of Emergency Management broadcasts a message to any monitoring amateur radio operator asking them to send in situation reports from within the state to the State EOC via voice or the Winlink messaging system. Several nets are established to provide communication flow between local counties and the State Division of Emergency Management.

**NOTE:** *Within Pinellas County, all situation reports will be routed to the Pinellas County EOC, checked for accuracy, combined with information from other available resources, and then forwarded to the state of Florida EOC. Individual ACS operators will not exchange information with the state of Florida EOC unless directed to do so by the ACS RO.*

## **E.2** EXERCISE OPERATIONAL PERIODS

The exercise has a single operational period that is described below.

### **E.2.1** EXERCISE OPERATIONAL PERIOD 1 – REGIONAL COMMUNICATIONS EMERGENCY

This operational period begins at 0730 on Saturday October 1<sup>st</sup>, and terminates at 1330 on the same day. During this operational period, the Pinellas County EOC is activated, Pinellas County opens several emergency evacuation shelters; and ICC equipment is prepositioned. At 0905, the ACS RO sets activation level one for Pinellas ACS and the ACS Tactical-Resource net is established. The Net Control Station notifies all exercise participants to activate.

- a. **Evacuation Shelters** – Up to six Simulated Shelters will be opened. Each simulated shelter will be staffed with one ACS radio operator who is located at his or her home.
  - (1) Ross Norton Recreation Center
  - (2) Bauder Elementary School
  - (3) Lealman Exchange
  - (4) Gulfport Elementary School

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- (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 Pinellas County EOC; exchange VHF digital message traffic with the Pinellas County EOC if so equipped; and maintain appropriate ICS documentation throughout the exercise.

- b. **Incident Communication Centers** – Two simulated ICCs will be opened. Each ICC will be staffed with up to four 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 tactical / formal voice and digital message traffic with the Pinellas County EOC, deployed ACS Resources, partner agencies, and the state of Florida EOC as required to meet mission requirements.

- c. **EOC Radio Room** – The EOC Radio Room will be staffed with up to four ACS radio operators. These radio operators will demonstrate the ability to establish and maintain the ACS Tactical-Resource, ACS Shelter, and ACS VHF Winlink nets and then perform the role of net control. They will also participate in the UHF statewide exercise command and control net (SAR net), Florida HF and SHARES nets; and exchange tactical / formal analog voice and digital message traffic with deployed ACS Resources, partner agencies, and the state of Florida EOC as required to meet mission requirements.

### E.3 WEATHER

If on the day of the exercise, inclement weather prevents the deployment of equipment to the designated venue sites, ICC locations will be moved to the first floor of the garage and tasking associated with HF and SHARES capabilities will be scrubbed.

### E.4 MAJOR EVENTS

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

#### E.4.1 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. When directed by the ACS RO, notify the ACS membership that ACS has been activated to level one.
- b. Establish and manage the ACS Shelter net by performing the role of NCS.
- c. Configure the W4ACS RMS to support VARA P2P and VARA Digipeater operations
- d. Establish and maintain the ACS VHF Winlink net and perform the role of net control.
- e. Monitor and participate in the state of Florida command and control net (SAR Net).
- f. Monitor and participate in the state of Florida HF and SHARES voice and data nets.
- g. Request, receive, and process simulated status reports from each emergency evacuation shelter and deployed ICC.
- h. Exchange tactical / formal analog voice and digital message traffic with deployed ACS Resources, partner agencies, and state of Florida EOC in accordance with the

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information contained within INJECT envelopes provided by the exercise controller.

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

#### E.4.2 SIMULATED PINELLAS COUNTY EMERGENCY EVACUATION SHELTER

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

- a. Monitor the ACS Tactical-Resource net for activation instructions.
- b. Once activated, establish communications with the Pinellas County EOC by checking into the ACS shelter net.
- c. Upon request, send shelter status reports to the Pinellas County EOC.
- d. Exchange tactical / formal analog voice and digital message traffic with the Pinellas County EOC in accordance with the information contained within INJECT envelopes provided by the exercise controller.
- e. Upon direction from the Pinellas County EOC, demobilize the simulated shelter.

#### E.4.3 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 configure the CommandRunner™ CRD™ to operate on back-up generator power.
- b. Configure the CommandRunner™ CRD™ to provide Amateur Radio (VHF/UHF) voice and digital networks; 700 and 800 MHz public safety radio networks; and HF amateur and SHARES voice and digital networks. Once configured, verify the operational status of all services.
- c. Install and test an HF NVIS antenna system.

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- d. Establish communications with the EOC by checking into the ACS Tactical-Resource net (VHF).
- e. Upon request, send site status reports to the EOC.
- f. Exchange tactical / formal analog voice and digital message traffic with deployed ACS Resources, partner agencies, and the Pinellas County EOC in accordance with the information contained within INJECT envelopes provided by the exercise controller.
- g. Upon direction from the Pinellas County EOC, de-energize, pack, and prepare the CommandRunner™ CRD™ for transport.

# Appendix F

## F ACRONYMS, ABBREVIATIONS, AND DEFINITIONS

### F.1 ACRONYMS

The following acronyms are used in this document.

| <b><u>ACRONYM</u></b> | <b><u>DEFINITION</u></b>                          |
|-----------------------|---|
| AAR/IP                | After Action Report / Improvement Plan            |
| AC                    | Alternating Current                               |
| ACS                   | Auxiliary Communication Service                   |
| ARES®                 | Amateur Radio Emergency Service                   |
| ARRL®                 | American Radio Relay League                       |
| CMS                   | Common Message Server                             |
| CRD™                  | Compact Rapid Deployable                          |
| DEM                   | Department of Emergency Management                |
| EC                    | Emergency Coordinator                             |
| EDT                   | Eastern Daylight Time                             |
| EEG                   | Exercise Evaluation Guide                         |
| EOC                   | Emergency Operations Center                       |
| GMRS                  | General Mobile Radio System                       |
| HF                    | High Frequency                                    |
| HSEEP                 | Homeland Security Exercise and Evaluation Program |
| ICC                   | Incident Communications Center                    |
| ICS                   | Incident Command System                           |
| NCS                   | Net Control Station                               |
| NOAA                  | National Oceanic and Atmospheric Administration   |

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| <b><u>ACRONYM</u></b> | <b><u>DEFINITION</u></b>               |
|-----------------------|--|
| NVIS                  | Near Vertical Incident Skywave         |
| NWS                   | National Weather Service               |
| PTB                   | Position Task Book                     |
| RMS                   | Radio Message Server                   |
| RO                    | Radio Officer                          |
| SOP                   | Standard Operating Procedure           |
| 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.

| <b><u>ABBREVIATION</u></b> | <b><u>DEFINITION</u></b> |
|----------------------------|--------------------------|
| AUXC                       | Auxiliary Communicator   |
| AUXCOMM                    | Auxiliary Communications |
| EndEx                      | End of Exercise          |
| ExPlan                     | Exercise Plan            |
| MHz                        | Megahertz                |
| P2P                        | Peer-to-Peer             |
| RADO                       | Radio Operator           |
| SATCOM                     | Satellite Communications |
| SHARES                     | Shared Resources         |
| StartEx                    | Start of Exercise        |