2021 Whirlwind Boom Exercise

Exercise Plan

for MARCH 19, 2021

The Exercise Plan (ExPlan) gives elected and appointed officials, observers, media personnel, and players from participating organizations information they need to observe or participate in the exercise. 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.

Version: 1.4 Mar 7 Gordon L. Gibby MD 352 246 6183

Significant Change: Correction regarding the use of SHARES communications, which should NOT be use for primary Survivor Messaging.
Significant Change: Initial explanation of the encrypted emailed INJECTS that will be sent to our incredible group of nationwide individual resource units!

This may be considered an Official Version for the Exercise.
-Notification of any significant changes from this version will be posted on the NFLSEC groups.io page and will generally be communicated by email to net control or other leadership positions.

NOTE: It was brought to my attention that we will enter DAYLIGHT SAVINGS TIME just prior to this exercise. Therefore all the times have been changed from EST to EDT.

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Exercise Overview

Exercise Name	2021 Whirlwind Boom Exercise
Exercise Dates	Friday March 19, 2021 (7 PM-9PM EDT)
Scope	This exercise is a **deployment, full scale exercise**, planned for 2 hours at multiple locations throughout northern Florida and including participants throughout the southeastern United States. Exercise play is open to a very wide array of volunteers including: – NTS or other traffic net volunteers, --volunteers participating in the 2021 Florida Baptist Disaster Relief Jacksonville on-site training, – Florida state emergency personnel, – County personnel / volunteers, --ARES® volunteers, – SHARES personnel (federal, state, local, or volunteer), and any other interested amateur radio operators.[1].
Mission Area(s)	RESPONSE
Core Capabilities	MASS CARE SERVICES OPERATIONAL COMMUNICATIONS
Objectives	1.0 Antenna Deployment 2.0 Emergency Power 3.0 Communications Planning 4.0 Voice Communications 4.1 Command Net 4.2 Formal Status Report 4.3 Tactical Communications 4.4 (Optional) Survivor Messages 5.0 Data Communications 5.1 Written/Status Reports 5.2 Resource Requests 5.3 Response Time 5.4 Survivor Messages 6.0 Interoperability 7.0 Volunteer Handling
Threat or Hazard	Extreme weather event complicated by human terrorist effort, resulting in Infrastructure failure, multiple types, leading to communications failures and risk to population

1 This exercise specifically includes a RESOURCE NET to assist unexpected volunteers with joining the exercise.

Exercise Name	2021 Whirlwind Boom Exercise
Scenario	Multiple tornadoes damaging a swath across the peninsular state of Roflida from one coast to the other as a result of fast moving cold front, with large number of displaced persons seeking shelter, large power outages and communications systems outages. 2nd event was a massive explosion near an NT&T central switching site in Johnsonville, Roflida, leading to massive loss of public switched telephone system performance and large damage to the "SuperNet" emergency-response cell-phone based emergency communications system.
Sponsor	Florida Baptist Disaster Relief[2], Communications & Technology Ministry

2 Florida Baptist Disaster Relief is a non-governmental served agency with an amateur radio communications team.

Exercise Name	2021 Whirlwind Boom Exercise
Participating Organizations	SHARES SE Regional Coordinator / Net Florida Div. Em Mgt (Robert Little)[3] Northern Florida ARES® Net (NFAN) Northern Florida Phone Net (NFPN) Alachua County Emergency Management[4] Flagler County Emergency Management[5] Columbia County Emergency Management[6] Madison County Emergency Management[7] Taylor County Emergency Management[8] Alachua County ARES® Columbia County ARES® Flager County ARES® Madison County ARES® Marion County EOC/ARES® Santa Rosa County ARES® Suwanee County ARES® Volusia County EOC/ARES® Distant Outlets: Multiple "individual resource units" in a considerable number of states. (See ICS-205 herein for current list) [9]
Point of Contact	Gordon L. Gibby MD, KX4Z, NCS521 docvacuumtubes@gmail.com

3 FDEM is a state-level served agency.
4 Alachua County Emergency Management is a county-level served agency.
5 Flagler County Emergency Management is a county-level served agency.
6 Columbia County Emergency Management is a county-level served agency.
7 Madison County emergency management is a county-level served agency; notified by Patrick Lightcap on March 13, 2021.
8 Taylor County Emergency Management is a county-level authority having juristiction, notified by Mr. Louk on March 15, 2021.
9 I presume that other ARES(R) organizational leadership are in close communication with their local emergency management or other served agency, but I have tried only to list those served agencies where the approvel or exercise participation, or actual input from the governmental or non-governmental agency has been made clear.

General Information

Exercise Objectives and Core Capabilities

This exercise was designed to bring together the very volunteers who are likely to volunteer for communications disasters in Florida or nearby states. It attempts to create realistic communications that would be of great value to the responding agencies and the citizens they and we serve. As a result it has several levels, from local volunteers forwarding shelter status reports to a local net & EOC, all the way to reports converging on a simulated state data input port.

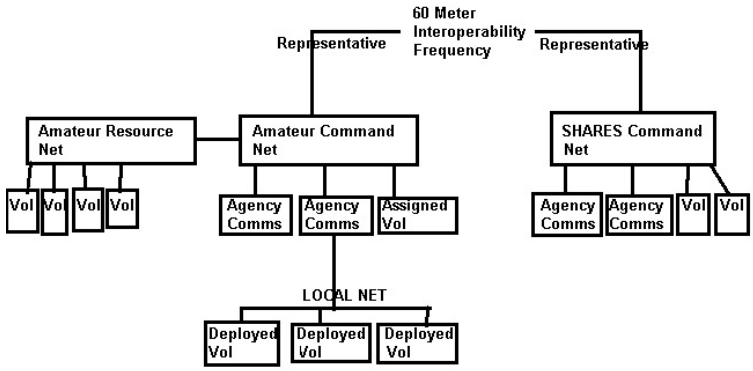
There is a place for every volunteer in this exercise!

The following exercise objectives in Table 1 describe the expected outcomes for the exercise. The objectives are linked to specific FEMA national core capabilities, which are distinct critical elements necessary to achieve the specific mission area(s). The objectives and aligned core capabilities are guided by elected and appointed officials and selected by the Exercise Planning Team.

Exercise Objective	FEMA Core Capability
(1.0) Antenna Deployments. Each applicable team able to deploy emergency antennas on suitable bands for their assigned communications, within 30 minutes of a declared antenna failure. [10]	Mass Care Services Operational Communications
(2.0) Emergency Power. Each applicable team able to operate from alternative power, within 30 minutes of a declared power outage, including both radio, ancillary equipment (e.g. computer, antenna tuner, etc.) and suitable lighting.[11]	Mass Care Services Operational Communications

10 An antenna failure may happen spontaneously, or may be declared by an inject within the Exercise, delivered by paper message, radio or email communication.

11 A power failure may happen spontaneously, or may be declared by an inject within the Exercise, delivered by paper message, radio or email communication.

Exercise Objective	FEMA Core Capability
(3.0) Communications Planning. Possible Voice /Data Net Structure During Exercise  • **Amateur Resource Net** accepts incoming amateur radio based volunteers who are not already associated with a specific team, provides briefing services, and assigns roles. **These unconnected volunteers are specifically welcomed in this Exercise.** • **Amateur Command Net** coordinates between amateur-based comms teams, and provides representative to interoperability communications to SHARES-based Command Net. • **SHARES Command Net** accepts communications teams as well as individual resource units (volunteers) • **Agency Comms team** might be a local ARES® or CERT or other group which serves a local EOC or other agency, and provides volunteers for deployment, for example to local shelters. The Agency Comms team with deployed volunteers would maintain a local net, perhaps on VHF, and provide one or more representatives to the Amateur Command Net. Some Agency Comms teams may consist only of a comms group serving an EOC or other agency (such as a disaster relief agency). (3.1) Groups or team whose responsibilities include deployed teams (e.g., to shelters or with search and rescue groups) to create suitable ICS-205 planning materials considering the possibilities of radio asset failures, and forward to the Exercise Director, c/o docvacuumtubes@gmail.com[12] (3.2) All groups/teams to successfully plan for communications by one or more representatives of their group to at least one Command Nets, depending on their licensure status (whether Amateur, SHARES, or both)	Mass Care Services Operational Communications

12 Purpose of this Objective is to provide practice and measure capabilities at planning communications systems.

Exercise Objective	FEMA Core Capability
(4.0) Voice Communications Accomplishments. (4.1) Each team able to make voice contact to a suitably placed command net applicable to their licensure, despite local or ionospheric conditions. (4.2) Each team successfully transmits **formal status report** of defined structure via voice communications to RDEM@WINLINK.ORG or as requested. [13] **Deployed individual resources** (e.g., amateur unit deployed to simulated shelter) shall submit by radio transmission, a report type chosen by their local group. A suggested reporting form is to provide the data of the **SHARES SPOTREP-2** form (Version 9.5 or later; see Appendix D)[14]. A suggested **COUNTY LEVEL DATA AGGREGATION** form, is also provided in Appendix D. **County or EOC or Agency Comms Team** (e.g., ARES® or disaster ministry group) shall submit by voice, over radio transmission, their choice of either of the following two reports.[15]	Mass Care Services Operational Communications

13 Once the formal traffic has been transmitted by voice to a recipient on the Command Net, it is presumed to have exited the disaster area, and the receiving station can forward the text as an EMAIL to RDEM@WILINK.ORG using any desired email system. Attempt to keep the basic structure of the formal traffic as transmitted.

14 A word-processor created version of this form is provided in Appendix D, followed by an example of this form used within an ICS-213 voice report. This could also be sent as a (rather long) ARRL Radiogram by inserting the relevant fields into the address, text body, and signature, and then adding an OP NOTE before the text such as "Deliver formatted as ICS-213."

15 Note that the receiving net participant (in this Exercise, presumed to be in a non-affected area) will then forward the report by normal internet email to our proxy for a state reporting point, RDEM@WINLINK.ORG (representing the simulated "Roflida State Div of Emergency Management")

Exercise Objective	FEMA Core Capability
(4.0 Voice Communications, continued) Option #1: **AGENCY SITUATION REPORT**, which is a modified version of the British Colombia Emergency Operation Center status report..[16] Option #2: Create a voice message with the information of the WINLINK "**Incident Status Report**" [17] (4.3) Each team able to create, receive, and respond to immediate **tactical communications**. (4.4) (Optional[18]) Successful voice handling and transmission of **survivor written messages**[19] to loved ones out of disaster area, unless their Agency directs that such communications are prohibited. (Moving outbound survivor traffic to loved ones via the NTS or other methods is an historic method of public service by radio volunteers, and this portion of the Exercise aims to reacquaint volunteers with this valuable service..[These messages can be created by the volunteers to remote friends or relatives advising them of their participation in this Exercise and/or providing well wishes.] ***NOTE: These should be transmitted using AMATEUR RADIO transmission channels, rather than SHARES except in extreme extenuating circumstances.***	

16 A blank copy of this form is presented in Appendix D, with an example inserted into the ICS-213 format immediately following.

17 This form can be accessed while using the New Message winlink procedure by choosing Select Template | Standard Templates | General Forms | Incident Status Report.txt. An image of this form is provided in Appendix D, following by an example of this information inserted into an ICS-213.

18 While data-based techniques for moving massive survivor messaging may be easier, those who prefer or enjoy voice-based disaster messaging are vital to a response and are expressly encouraged to proceed. Any volunteer on the net who is free may accept these simulated outgoing messages and deliver them by email or telephone immediately, or they may be routed thru the normal NTS/RRI channels if desired. The point is PRACTICE.

19 A suggested form is provided in Appendix D, followed by an example of this form utilized to create an ARRL Radiogram. After this form is transmitted over Radio to another volunteer in this exercise, the receiving volunteer will then deliver it via either email or telephone as soon as possible.

Exercise Objective	FEMA Core Capability
(5.0) Data Communications. (5.1) County-based teams to transmit assigned written communications when requested, including **status reports** of the **Winlink Incident Status Report** format[20], by one or more data techniques, all involving RADIO out of their location.[21] These will generally be addressed to our simulated state-level watch point, RDEM@WINLINK.ORG. (5.2) NGO-based communications teams to transmit one or more resource requests[22] (example: for food stores for meals being prepared by a disaster ministry group) , by one or more data techniques, all involving RADIO out of their location. An example of such a communication is provided in Appendix E. (5.3) Each team able to respond within 30 minutes to inquiries and replies. (5.4) Successful handling and transmission of **survivor written messages** to loved ones out of disaster area. [23] ***NOTE: These should be transmitted using AMATEUR RADIO transmission channels, rather than SHARES except in extreme extenuating circumstances.***	Mass Care Services Operational Communications
(6.0) Interoperability. Teams from different groups (FBDR, ARES®, FDEM, SHARES) to be able to coordinate via representatives to an Interoperability frequency so designated. [24]	Mass Care Services Operational Communications

20 This form can be accessed while using the New Message winlink procedure by choosing Select Template | Standard Templates | General Forms | Incident Status Report.txt. An image of this form is provided in Appendix D,

21 Any data technique is allowed. Examples include APRS, broadcast peer-to-peer techniques, WINLINK, JS8.

22 These resource requests can be in normal email format or in ICS-213RR, as per the usual practice of their particular NGO

23 The suggested form is provided in Appendix D, and an example of this form turned into a standard WINLINK email as a text is provided in Appendix E.

24 Ross Merlin points out this wording mixes somewhat different entities: "SHARES isn't a group like the other groups in this item, SHARES is resources for the those groups to meet their communications requirements. The groups listed are responders, with a presence there at the incident scene. SHARES is its networks, for some of them to use, but there is no "SHARES Team" on-site. FBDR has a mission specific to the incident, FDEM has several; ARES mission is to support those on-scene who need communications; SHARES mission is to provide federal channels and off-scene relay of messages. "I'm not quite sure how to address his correction here, but we'll keep it in mind.

Exercise Objective	FEMA Core Capability
(7.0) Handling Volunteers. Successful integration of newcomer amateur radio volunteers on Resource Nets with suitable explanations of the Exercise and assignments of tasks to newcomer volunteers.	Mass Care Services Operational Communications

Table 1. Exercise Objectives and Associated Core Capabilities

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 as follows:

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.

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.

Simulators. Simulators are control staff personnel who role play nonparticipating organizations or individuals. They most often operate out of the Simulation Cell (SimCell), but they may occasionally have face-to-face contact with players. Simulators function semi-independently under the supervision of SimCell controllers, enacting roles (e.g., media reporters or next of kin) in accordance with instructions provided in the Master Scenario Events List (MSEL). All simulators are ultimately accountable to the Exercise Director and Senior Controller.

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).

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. Observers view the exercise from a designated observation area and must remain within the observation area during the exercise. Very Important Persons (VIPs) are also observers, but they frequently are grouped separately.

Media Personnel. Some media personnel may be present as observers, pending approval by the sponsor organization and the Exercise Planning Team.

Support Staff. The exercise support staff includes individuals who perform administrative and logistical support tasks during the exercise (e.g., registration, catering).

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.

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:

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

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

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.

Artificialities

During this exercise, the following artificialities apply:

Although for a "real world emergency" particpants can certainly use their cell phones, for purposes of the Exercise, they should disable both cell phone and data (including not using it for map-based navigation) by using Airplane mode or similar. (Compass use is till allowed as this is independent of cell phone networks.)

If communications methods listed in the ICS-205 are declared "inoperative" then they cannot be utilized by participants..

Time may "jump forward" by considerable amounts between the three Sessions -- this will be announced in suitable ways if applicable.

Exercise Logistics

Safety

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

A Safety Controller is responsible for participant safety; any safety concerns must be immediately reported to the Safety Controller. The Safety Controller and Exercise Director will determine if a real-world emergency warrants a pause in exercise play and when exercise play can be resumed. For this Exercise, the Safety Controller will be the Exercise Director, Gordon Gibby, (352) 246 6183, and also monitoring the COMMAND NET frequency.

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:

> Anyone who observes a participant who is seriously ill or injured will immediately notify emergency services (911) and the closest controller, and, within reason and training, render aid.
>
> The controller aware of a real emergency will initiate the **"real-world emergency"** broadcast and provide the Safety Controller, Senior Controller, and Exercise Director with the location of the emergency and resources needed, if any. The Senior Controller will notify the [Control Cell or SimCell] as soon as possible if a real emergency occurs.

Fire Safety

Participants are asked to maintain due care related to emergency power sources, and also related to installing emergency antennas. No such antennas will be installed near any power lines.

Emergency Medical Services

Dial 911.

Electrical and Generating Device Hazards

Each participant is asked to follow prudent safety procedures related to batteries and generators and any other alternative power systems.

Weapons Policy

In general, non-law-enforcement personnel are strictly not allowed to carry concealed weapons inside ANY governmental building.

Site Access

Media/Observer Coordination

Organizations with media personnel and/or observers attending the event should coordinate with Gordon L. Gibby MD (352) 246 6183 for access to the exercise site. Media/Observers are encouraged to travel to the deployment sites, maintain identification, and observe. PIO should be contacted for specific questions and information. Exercise participants should be advised of media and/or observer presence.

Exercise Identification

Exercise staff may be identified by badges, hats, and/or vests to clearly display exercise roles; additionally, uniform clothing may be worn to show agency affiliation. Table 2 describes these identification items.

Group	Color
Controllers/Evaluators	Orange or Green Vest
Media Personnel	Simply wear ID
Players	Any suitable clothing

Table 2. Exercise Identification

Post-exercise and Evaluation Activities

Debriefings

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

Hot Wash

At the conclusion of exercise play, controllers facilitate a Hot Wash to allow players to discuss strengths and areas for improvement, and evaluators to seek clarification regarding player actions and decision-making processes. All participants are encouraged to attend! **This will be a brief (30-45 minute) ZOOM conference via immediately following the exercise. The ZOOM link will be announced prior to the Exercise.**

Controller and Evaluator Debriefing

Controllers and evaluators are encouraged to attend a facilitated Debriefing via ZOOM at a date and time following the exercise to be announced.

Participant Feedback Forms

Participant Feedback Forms provide players with the opportunity to comment candidly on exercise activities and exercise design. A Google Form is available for participant feedback for the Exercise:

https://docs.google.com/forms/d/e/1FAIpQLScl3FE2lKs52uFN_C5Z2q-LpdQecUg_Te9LU82WQsqadW5AWg/viewform?vc=0&c=0&w=1&flr=0&usp=mail_form_link

Evaluation

Exercise Evaluation Guides

EEGs assist evaluators in collecting relevant exercise observations. EEGs document exercise objectives and aligned core capabilities, capability targets, and critical tasks. Each EEG provides evaluators with information on what they should expect to see demonstrated in their functional area. The EEGs, coupled with Participant Feedback Forms and Hot Wash notes, are used to evaluate the exercise and compile the After-Action Report (AAR).

After-Action Report

The AAR summarizes key information related to evaluation. The AAR primarily focuses on the analysis of core capabilities, including capability performance, strengths, and areas for improvement. AARs also include basic exercise information, including the exercise name, type of exercise, dates, location, participating organizations, mission area(s), specific threat or hazard, a brief scenario description, and the name of the exercise sponsor and POC.

Improvement Planning

Improvement planning is the process by which the observations recorded in the AAR are resolved through development of concrete corrective actions, which are prioritized and tracked as a part of a continuous corrective action program.

After-Action Meeting

The After-Action Meeting (AAM) is a meeting held among decision- and policy-makers from the exercising organizations, as well as the Lead Evaluator and members of the Exercise Planning Team, to debrief the exercise and to review and refine the draft AAR and Improvement Plan (IP). The AAM should be an interactive session, providing attendees the opportunity to discuss and validate the observations and corrective actions in the draft AAR/IP.

Improvement Plan

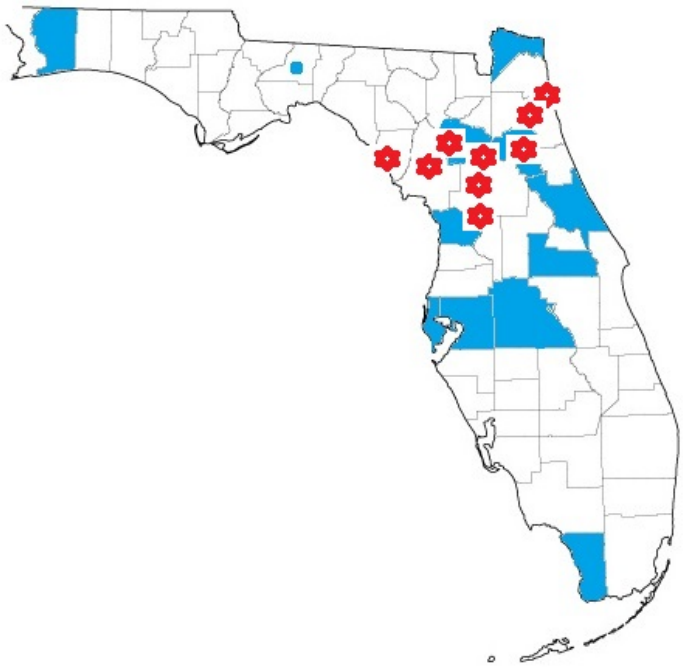
The IP identifies specific corrective actions, assigns them to responsible parties, and establishes target dates for their completion. It is created by elected and appointed officials from the organizations participating in the exercise, and discussed and validated during the AAM.

For this Exercise, a brief AAR/IP will be produced by the Communications and Technology Ministry of the Florida Baptist Disaster Relief, and made available via the world wide web.

Participant Information and Guidance

Exercise Scenario

"On Friday March 19th, 2021, beginning at 7 AM, a series of devastating tornadoes were created in super-cells associated with a fast-moving cold front with a massive temperature gradient. Tornadoes caused massive infrastructure damage in a band across the state of Roflida, roughly stretching from SteinKey, Roflida across to St. Florentine, Roflida.



Multiple power generation systems from Peat Electric, Mercerville Regional Utilities, St. Jim County Utilities, St. Florentine City Utilities, and Roflida Power and Light are severely impacted with significant loss of generation and distribution of electrical power.

I-05 was damaged in multiple locations, creating massive traffic snarls and restricting the flow of supplies.

An estimated 270,000 persons were rendered temporarily homeless by structural damage and an estimated 1.9 million were without power by 4 PM Friday March 19th.

Roflida Div. of Emergency Management was fully activated as well as EOCs across all affected counties, working to provide adequate shelter, food and water distribution points of distribution to the citizenry. A large number of ICS responses were stood up, and request was made to the Governor of Roflida to institute Area Command for better coordination. Multiple county trunked radio systems (primarily towers) were damaged leading to delays in public service communications. Multiple EOCs called upon ARES® volunteers to staff shelters, fire stations, and other essential county service locations and assets as a result of the trunking systems failures.

At Noon, Roflida Baptist Disaster Relief trailers began deployment to Johnsonville, Roflida and arrived in the early afternoon (March 19) to begin providing disaster response services to the surrounding area.

At 1308 EDT on Friday March 19, 2021, a massive blast occurred at an NT&T central switching site in Johnsonville, on the northeast coast of Roflida, causing a cascade of

communications difficulties on top of the exiting public service radio system issues. A cascading series of public switched telephone network failures brought 911 systems and internet connectivity to a crawl for the northeast corner of Roflida, including damage to the SuperNet (emergency response cell-based network) and other cell phone systems associated with NT&T.

RDEM has requested activation of the Southeast Region SHARES network for additional communications support, and portions of the North Roflida ARES® volunteer communications systems, and detailed status reports from all affected EOCs, counties, and utilities by any means possible, to assist Area Command. “

Exercise Rules

- The following general rules govern exercise play:
- In general, cell phones and cell-phone based navigation are not allowed during the Exercise. Paper maps!
- Real-world emergency actions take priority over exercise actions.
- Exercise players will comply with real-world emergency procedures, unless otherwise directed by the control staff.
- All communications (including written, radio, telephone, and e-mail) during the exercise will begin and end with the statement TEST EXERCISE MESSAGE or similar.

Players Instructions

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

Before the Exercise

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

Leadership for each participating group should provide The Controllers with information on proposed frequency assignments or corrections to suggested ICS-205 entries. (Please carefully study Appendix A, Exercise Schedule)

You may wish to follow a "checklist" of preparation to become more ready for this exercise. Some suggestted items include:

Check Off	Preparation Item
❑	If part of a group, have you received an

	assignment?
❑	If part of a local group, have you received an ICS-205 giving any local frequencies that will be utilized? (The Exercise Plan focuses on state-level communications.)
❑	Do you have suitable antennas plus the ability to replace them in timely fashion?
❑	Do you have backup power available? Will it include LIGHTING?
❑	Are you able to check your output power?
❑	Are you able to create the necessary voide or digital modulations?
❑	For data operations, can you successfully operate your computer simultaneously with your radio, or are there lockup or interference issues?
❑	Are you familiar with the FORMS that are requested to be used in this Exercise?
❑	Are you familiar with the software and systems that may be required during this Exercise?
❑	If you are fulfilling a leadership or county-level role, can you monitor both HF and VHF/UHF comms simultaneously if necessary?
❑	Have you acquired the Survivor Message forms and possibly already completed one or more, or had family/friends complete one? This is a useful familiarization process.
❑	Do you have a copy of band plans (amateur) or net channels (SHARES) available to you?
❑	Do you understand how to embed an ICS-213 into a Radiogram or how it might come to you?
❑	Have you or your local leader registered your planned participation?
❑	If you are the leader of a local group, did you receive INJECT materials by two days prior to the Exercise? If not, you may wish to contact the Exercise Director to check.
❑	Last minute review of the Exercise Plan or Incident Action Plan?

During the Exercise

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

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.

Media: If you are asked an exercise-related question, give a short, concise answer. If you are busy and cannot immediately respond, indicate that, but report back with an answer as soon as possible.

If you do not understand the scope of the exercise, or if you are uncertain about an organization's participation in an exercise, ask a controller.

Parts of the scenario may seem implausible. Recognize that the exercise has objectives to satisfy and may require incorporation of unrealistic aspects. Every effort has been made by the exercise's trusted agents to balance realism with safety and to create an effective learning and evaluation environment.

All exercise written communications will begin and end with the statement "**This is an exercise**." (or similar); voice radio communications will include this at least as often as identifications. This precaution is taken so that anyone who overhears the conversation will not mistake exercise play for a real-world emergency.

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

Maintain an ICS-214 log of your activities. Many times, this log may include documentation of activities that were missed by a controller or evaluator.

Maintain an ICS-309 (or be able to have one or parts of one created by a computer) to document messages received or transmitted.

After the Exercise

Participate in the Hot Wash at your venue with controllers and evaluators.

Complete the Participant Feedback Form. This form allows you to comment candidly on emergency response activities and exercise effectiveness. Provide the completed form to a controller or evaluator. (This will be a Google Form)

Provide any notes or materials generated from the exercise to your controller or evaluator for review and inclusion in the AAR. Your ICS-214 and ICS-309 (or copies thereof) should go to your local leader or if you are not part of a group, directly to the Exercise Director by either email or postal mail, at

docvcuumtubes@gmail.com

15216 NW 41st Ave

Newberry FL 32669-2004

Simulation Guidelines

Because the exercise is of limited duration and scope, certain details will be simulated. The physical description of what would fully occur at the incident sites and surrounding areas will be relayed to players by simulators or controllers.

Appendix A: Exercise Schedule

First Due Date	Personnel	Activity	Location
NOW	■Leadership of groups ■ Exercise leaders (e.g. NCS) ■INDIVIDUALS who are NOT part of any organized group	**Register yourself** (so I may be able to send you INJECTS) on this Google Form: https://docs.google.com/forms/d/e/1FAIpQLSfeOZg8ehrWL_Brg45aKAq3ImlVgIvgrgY98bwup2ycwMF3BQ/viewform?vc=0&c=0&w=1&flr=0&gxids=7628	
On or before March 1, 2021	Leadership from participating organizations	Each participant organized group (SHARES, FDEM, FBDR, ARES® including county EC or other leadership, section NFL, etc) should plan their -frequency, -advertisement, -invitation and -promotion techniques, **and any internal group deployments (e.g., to home or shelter or county asset or simulated shelter locations), preferably in discussion with their Emergency Manager** by March 1, 2021 and EITHER fill out this Google Form: https://docs.google.com/forms/d/e/1FAIpQLSfeOZg8ehrWL_Brg45aKAq3ImlVgIvgrgY98bwup2ycwMF3BQ/viewform?vc=0&c=0&w=1&flr=0&gxids=7628 OR submit a brief synopsis in simple text format to the Exercise Director via email: docvacuumtubes@gmail.com by March 2, 2021.	Forward planning information to docvacuumtubes@gmail.com

First Due Date	Personnel	Activity	Location
Thursday Mar 4 7 PM Zoom	Any interested participant	An optional zoom conference to go over the entire Exercise briefing, and answer any questions.	https://us02web.zoom.us/j/89530741792 Meeting ID: 895 3074 1792 Find your local number: https://us02web.zoom.us/u/kdxi4hkpCh

Second Due Date	Personnel	Activity	Location
On or before Noon, March 10, 2021	Leadership from participating organizations	Each group planning organized radio communications will forward a proposed ICS-205 for their group, and a **completed ICS-205A** giving contact information for significant personnel to a central Exercise COML (**To Be Determined**) by Noon, March 10, 2021 c/o docvacuumtubes@gmail.com The information on these forms will be used to make **exercise injects** to involved groups and should include - frequencies, modes - alternates - leadership contacts, including call signs, names, phone numbers, emails (and winlink emails if possible) IF YOUR GROUP WILL UTILIZE LOCAL NETS TO HANDLE DEPLOYED PERSONNEL BE CERTAIN TO INDICATE THAT ON YOUR SUBMITTED ICS-205 SEE ATTACHED APPENDIX D for representative Forms	Forward planning information to docvacuumtubes@gmail.com

Final Exercise Materials Date	Personnel	Activity	Location
Saturday March 13 2021	Exercise Director	Final Exercise Documents including group ICS-205 / ICS-205A document(s) will be sent by email to all known participant groups. (You can also provide me with contact information through the Google Form: https://docs.google.com/forms/d/e/1FAIpQLSfeOZg8ehrWL_Brg45aKAq3ImlVgIvgrgY98bwup2ycwMF3BQ/viewform?vc=0&c=0&w=1&flr=0&gxids=7628) INJECTS: Groups will generally received sealed envelope INJECTS sufficient for all the teams they have indicated. Individual Resource Units will generally receive easily decrypted Injects, along with a PRACTICE sample. This allows them to download their secret injects NOW, but just like a birthday present, allows them to avoid looking at the contents until the actual Session begin time. The decryption system is web based, so it works with all types of computers.	By email to all known participants
Saturday March 13 2021	All group leaders	Discuss with your agency / leadership your choice of how to respond on the Situation Reports. Fill out your initial reports for Objectives 4.2 and 5.1/5.2 as appropriate. You can choose **either** the • **Agency Situation Report**, page 32, or the • **Winlink Incident Status Report**, page 34.)	At your agency or group.

Final Exercise Materials Date	Personnel	Activity	Location
Saturday March 13, 2021	All group leaders	Go over the **Survivor Messaging Form (page 36)** and be sure you understand how to have copies filled in at your location to provide simulated outbound messages for transmission. **You may wish to go ahead and have members fill some of these out.** Be certain that addressee email and phone number are provided.	At your group
Thursday Mar 18 7 PM Zoom	Any interested participant	An optional zoom conference to go over the entire Exercise briefing, and answer any questions. (Largely a repeat of the March 4th Conference, but it is possible new information will be available.)	https://us02web.zoom.us/j/89530741792 Meeting ID: 895 3074 1792 Find your local number: https://us02web.zoom.us/u/kdxi4hkpCh

Exercise Date / Time	Personnel	Activity	Location
Friday March 19 2021 Deytime BEFORE the Exercise	All participants	**ANTENNA** Each group is encouraged to begin the exercise with any suitable antennas normally present at their location, **but if in a deployed position, to have already erected suitable antennas.** ALL groups are warned to be ready to erect replacement antennas as Injects are likely to indicate that existing antennas are unusable.	Exercise participant location.

Exercise Date / Time	Personnel	Activity	Location
Friday March 19 2021 Daytime BEFORE the beginning of the exercise 7 PM	All participants	**EMERGENCY POWER** Each group is encouraged to begin the exercise either on emergency power **(including lighting)** or to be ready to move expeditiously to emergency power if Injects down their existing power. Note: participants working from their home locations should be ON or prepared to go to full EMERGENCY POWER for all radio communications including lighting.	Exercise participant location.

EXERCISE BEGINNING

EXERCISE SESSION ONE: 7PM – 7:45 PM

Note: Typically groups are left relatively unscathed in the 1st Session and merely have to deal with their own equipment and training issues….be ready for things to fail that you didn't expect!

INJECTS

If you received an INJECT ENVELOPE for Session One, open it at this time.

***If you received emailed (encrypted) INJECTS*, decrcypt your Session ONE Injects now: web page : http://telmo.pt/xecryption/ The encryption key is `SessionOne`**

Exercise Date / Time	Personnel	Activity	Location
	Basic Theme of Reaching Outside A Disaster Area: *Find voice or data stations that are UNAFFECTED and use them to manually or automatically relay your messages to the intended recipient, if direct connections aren't available.* With widespread damage to the Internet from the tornadoes and the terrorist blast, situational reports and survivor outbound mesaging may need to go to DISTANT voice/data volunteers, or DISTANT Winlink RMS stations for delivery. ***Example:*** *KA4AAA took your outbound Situation Report from your damaged county, and put it on gmail to the Roflida State EOC, when the state EOC was not available on voice channels.* ***Example:*** *Winlink-equipped volunteer comms station in a damaged county send outbound Survivor Messages via an Alabama Winlink RMS, causing the message to be quickly delivered to the email address of the distant loved one.* <u>RESPONSES</u> When State level responses need to return to affected EOCs, if voice comms aren't available, the process will reverse -- Distant Volunteers will help to pick up and relay BACK the responses by any means necesssary. ***Example:*** *State EOC emailed back a response to KA4AAA, addressed to your county Emergency Manager. KA4AAA then reaches back via a voice net to relay the response back to the station in the damaged county.* DO WHATEVER WORKS!!	

Exercise Date / Time	Personnel	Activity	Location
Friday March 19 2021 7 PM	Leadership of each group.	**Initiate Net Control** Leadership constitute Command Nets and Resource Net(s) as assigned and commence activities. NOTE For the entire exercise there will be Resource and Command Nets on HF frequencies. However, if a local group has deployed assets within their county, VHF control would be more appropriate locally, and information should have been provided within their ICS-205 planning materials submitted earlier; such local nets are expected and encouraged, but be certain to have representation in the Exercise HF net.	Exercise participant location
Friday March 19 2021 7 PM	Non-leadership participants without any other assignment	**Check into Nets** Check into assigned HF Resource Net (if extant) and receive information and assignment. If unable to locate Resource Net, check into applicable Command Net.	Exercise participant location

Exercise Date / Time	Personnel	Activity	Location
	OUT OF STATE VOLUNTEERS **1. Please be familiar with the Exercise to avoid having net controls needing to spend time explaining it to you.** **2. As of March 14, we now have a PSK NET constituted on the PSK Frequency (see the ICS-205) that will commence at 7 PM EDT. You can check into the RESOURCE NET (see ICS-205) or the PSK NET, whichever you think you'll be better received by (which depends on your transmitter, antenna, experience, and distance) -- and offer your help, and see where you get assigned. If your signal is good, you'll likely be taking outgoing traffic from Florida stations within the disaster area -- andpossibly handling replies from Roflida State also.** **IMPORTANT** **REMEMBER to send a normal email to a WINLINK address (e.g. RDEM@WINLINK.ORG), preface your SUBJECT LINE of your email with** **//WL2K** **to make sure your message isn't going right to the spam folder!** **Example Subject Line:** **//WL2K EXERCISE MESSAGE TO RDEM** **3. Carry out other duties as sent to your in INJECTS (if you got them in my mass email of last weekend).** **4. CERTAINLY give a try at the Surivor Message Form, sending a nice friendly greeting by WINLINK or other methods (including your local Traffic Net) as a way to familiarize yourself or others in your family with this form and how it can serve those in a disaster, the traditional service of Amateur Radio direct to the Public.** **BACKGROUND INFORMATION** **NOTE: Stations outside the state of Florida, or who are FAR REMOVED from the disaster (at discretion of the net control) can serve a very valuable role by ACCEPTING voice or peer-to-peer traffic from "disaster location stations" and then forwarding that traffic to the intended recipient by simple email or winlink email -- for example, to the RDEM@WINLINK.ORG Roflida Div of Emergency Management, or to a loved one addressed in a Survivor Message. While we are not accepting INBOOUND replies from addressed out-of-state surivor message recipients, we DO expect responses from the Roflida Div. of Emergency Management and those will go to the RELAYING STATION and will need to be then communicated back via the Nets (either on voice or peer-to-peer data techniques) to the beleagured disaster station.**	

Exercise Date / Time	Personnel	Activity	Location
	Participants with data communications capability	**Data Communications Status Report** Each participant or group capable of data communications (e.g. WINLINK, JS8, cellular data, satellite) will test all possible data communications systems beginning at 7 PM and send a formal STATUS REPORT (per Objective 5.1/5.2) denoting their (fictitious) status, with the proviso "THIS IS AN EXERCISE" prominently displayed. **See Objectives 5.1/5.2 for details of the status report and observe examples in Appendix D.** Note: participants may request a brief exit from Resource or Command Net as appropriate if another operator is not available to conduct this activity but attempt to conclude within 15 minutes. Note: Local groups standing up local nets will typically move traffic in steps from deployed volunteers to county-level, (for example, the **SHARES SPOTREP-2 Ver 9.5 form**, page 30 might be used)and then onward, or may move traffic direct from deployed assets as appropriate.	

Exercise Date / Time	Personnel	Activity	Location
	Participants without data communications capability	**<u>Voice Status Report</u>** Send via voice communications a formal STATUS REPORT denoting their (fictitious) status, with the provision "EXERCISE MESSAGE" prominently displayed. **See Objective 4.2 for specific information on the form to be used and Appendix D for examples**. Participants may use any voice protocol suitable for their communications system (e.g., Radiogram, ICS-213, etc). Note: Local groups standing up local nets may choose to move traffic in steps from deployed volunteers to county-level, (for example, using the **SHARES SPOTREP-2 Ver 9.5** page 30) and then onward, or may move traffic direct from deployed assets as appropriate.	

Exercise Date / Time	Personnel	Activity	Location
	Participants from service organizations that are public facing (e.g., shelters, feeding stations, etc) who have no specific prohibition from their agency structure to process messages from the public should practice this technique during this exercise. (But check with their Agency before proceeding in an incident!).	**<u>Collect Survivor Messaging</u>** Each group capable of data communications and assigned to a location facing the public, will begin to **capture in written form, multiple** simulated survivor messages from friends, family, or particpants themselves, to be delivered to known relatives.[25] *(Groups without data commmunications are also optionally invited to participate although this will require voice commmunications of these messages.)* ***NOTE: These should be transmitted using AMATEUR RADIO transmission channels, rather than SHARES except in extreme extenuating circumstances.***	
		Out of state participants can also practice initiating Survivor Messages by using the suggested form to send a friendly greeting to friends or family, using any technique (such as listing the message on the Command Net or any other NTS net, or using Amateur WINLINK to send). Out of state participants should first check into the RESOURCE NET and list their traffic or availability for relay, to have their signal evaluated and/or questions answered; they can then be directed to the Command Net as appropriate.	
EXERCISE SESSION TWO: 7:45-8:30 PM EDT Things May Get More Interesting!			

25 NOTE: *This means you will have volunteers or nearby persons literally fill out simulated survivor messaging forms, <u>to give you practical experience at this activity</u>. See the suggested Form in Appendix D; you may use this or any suitable form.* Messages must either be marked TEST EXERCISE or otherwise be of a personal and non-concerning nature.

Exercise Date / Time	Personnel	Activity	Location
Friday March 19 2021 7:45 PM	All leadership or participants who have received sealed envelopes, or emailed injects.	**Open Session Two sealed envelope to learn INJECT(s) for Session Two and take appropriate action.** ***If you received emailed (encrypted) INJECTS*, decrcypt your Session Two Injects now: web page : http://telmo.pt/xecryption/ The encryption key is `SessionTwo`**	Dispersed
	Participants with Survivor Messages	Groups or participants who have accumulated **Survivor Messaging Forms (page 36)** should begin to forward those messages for delivery by any useful combination of data and (optionally) voice techniques. Record transmissions on ICS-309 form. ***NOTE: These should be transmitted using AMATEUR RADIO transmission channels, rather than SHARES except in extreme extenuating circumstances.***	Dispersed
	All participants	**Remain alert for possible additional INJECTS delivered by voice or data; remain available as much as possible on Command or Resource Net, and check any incoming data communications systems listed for your group on the Exercise ICS-205A You will want to check any Winlink address at least every 30 minutes.**	
EXERCISE SESSION THREE: 8:30 -8:59 PM EDT			

Exercise Date / Time	Personnel	Activity	Location
Friday March 19 2021 8:30 PM	All leadership or participants who have received sealed envelopes or emailed injecdts.	**Open Session Three sealed envelope to learn INJECT(s) for Session Three and take appropriate action.** ***If you received emailed (encrypted) INJECTS*, decrcypt your Session Three Injects now: web page : http://telmo.pt/xecryption/ The encryption key is `SessionThree`**	Dispersed
Friday March 19 2021 8:30 PM	All participants	Remain alert for possible additional INJECTS delivered by voice or data; remain available as much as possible on Command or Resource Net, and check any incoming data communications systems listed for your group on the Exercise ICS-205A	Dispersed

Hotwash	Personnel	Activity	Location
Friday March 19, 2021, 9PM-9:30 PM	All Participants	Participate if possible in brief post-Exercise Hotwash.	https://us02web.zoom.us/j/89530741792
Online Anonymous Evaluation	All Participants	Google Form to give your evaluation of the Exercise: https://docs.google.com/forms/d/e/1FAIpQLScl3FE2lKs52uFN_C5Z2q-LpdQecUg_Te9LU82WQsqadW5AWg/viewform?vc=0&c=0&w=1&flr=0&usp=mail_form_link	

Appendix B: Exercise Participants

Participating Organizations
Federal
SHARES 4th Region (Southeast) leadership and volunteers
State
FDEM communications personnel (Robert Little, confirmed)
NGO
Florida Baptist Disaster Relief, Communications & Technology Ministry
Local
Alachua County Emergency Management
Columbia County Emeregency Management
Flagler County Emergency Management
Madison County Emergency Management
Taylor County Emergency Management
NFL Section SEC
NFL ARES(R) Net Leadership
Norrthern Florida Phone Net Leadership
Alachua County ARES(R) / North Florida Amateur Radio Club (NFARC)
Columbia County ARES(R)
Flagler county ARES(R)
Madison County ARES(R)
Marion County ARES(R)
Santa Rosa County ARES(R)
Suwantee County ARES(R)
Volusia County ARES(R)
Multiple individual resource units (single volunteer, 25+) in 13 States.

Appendix C: Communications Plan

INCIDENT RADIO COMMUNICATIONS PLAN ICS-205

INCIDENT RADIO COMMUNICATIONS PLAN (ICS-205)

1. Incident Name:	2. Date/Time Prepared:	3. Operational Period
2021 WhirlwindBoom	Date: **Feb 14** Time: 1500 **LOCAL**	Date From: MAR **19** Date To: **MAR 19** Time From:**1900EDT** Time To:**2100EDT**

4. Basic Radio Channel Use:

Zone Grp.	Ch #	Function	Channel Name / Trunked Radio System Talkgroup	Assign-ment	RX FREQ N or W	RX TONE / NAC	TX FREQ N or W	TX TONE / NAC	Mode (A, D, or M)	Remarks
	1	Resource Net	RES1	Ham	3.815 MHzLSB	None	3.815 MHzLSB	None	A	Resource check-in net (corrected error in TX freq)
	2	Resource Alternate	RES2	Ham	7.242 MHzLSB	None	7.242 MHzLSB	None	A	Alternate for Resource check-in net
	3	Command Net	COM1	Ham	3.995 MHzLSB	None	3.995 MHzLSB	None	A	Command Net
	4	Command alternate	COM2	Ham	7.247 MHzLSB	None	7.247 MHzLSB	None	A	Alternate for Command Net
	5	SHARES	~~SBF0~~ SCG0	SHARES	~~SBF0~~ SCG0	None	~~SBF0~~ SCG0	None	A/D	SHARES Command primary NOTE THE CORRECTION
		SHARES alternate	SBK0	SHARES	SBK0	None	SBK0	None	A/D	SHARES Command secondary
	6	Winlink	WIN	ALL	TBD	None	TBD	None	D	Per WINLINK RMS Channels for appropriate service
	7	Interop	INTRAOP	All	5330.5 kHzUSB	None	5330.5 kHz USB	None	A	Interoperability - Dial Frequency CONFIRMED
	8	PSK Data NET	PSK - NET	Ham	3.579 MHzUSB	None	3.579 MHzUSB	None	D	(use any offset within passband, but avoid W1AW code practice at 3581.5 kHz)
	9	JS8 Data	JS9	Ham	3.578 MHzUSB	None	3.578 MHzUSB	None	D	(use any offset within passband but avoid W1AW code practice at 3581.5 kHz)
	10	Peer Winlink	PEERWIN	Ham	3.585 MHzUSB	None	3.585 MHzUSB	None	D	DIAL FREQ (use 500 Hz modes if possible)
		FLORIDA BAPSTIST DISASTER RELIEF -- deployed to SAN JOSE BAPT CHURCH 6140 San Jose Blvd, Jacksonville								
		Local Coord	DR1	Business	464.50 MHzFM	123	469.50 MHz FM	123	A	Local coordination disaster response
		Support	SARNET-JAX	Ham	444.7	127.3	449.7	127.3	A	

					MHz FM		MHzFM			
		DR Com	Eutelsat 177 West A	All	12 GHz	N/A	12GHz	N/A	D	Geosynchronous satellite
		Alachua County								
		County Command	ARES-NET	Ham	146.82	None	146.82	None	A	Primary connections
		County Simplex	SIMPLEX	Ham	146.52	None	146.52	None	A	Simplex Backup
		Flagler County								
		Operations Net	KG4IDD	Ham	146.74		146.175	123.0	A	County wide coverage
		Tactical Net	KG4IDD	Ham	145.47		144.87	123.0	A	County wide coverage
		Ex. Control Pri	KG4IDD DMR	Ham	443.4		467.600 448.400	TS1/ CC1	D	Espanola
		Ex Control Pri	KG4IDD	Ham	442.20		447.200	TS1/ CC1	D	Palm Coast
		Ops Simplex	ARES	Ham	146.58 0		146580		A	
		Interop Simplx Volusia	Volusia Simplex	Ham	146.55 5		146.555		A	Interop simplex with Volusia
		Interop Repeater Vol Co.	Volusia EOC	Ham	147.24 0		147.840	123.0	A	Interop Volusia EOC
		GMRS	React Commnd	GMRS	462.70		46270		A	React Operations
		Marion County - Inquire regarding additional frequencies beyond those listed below								
		Net Control	K4GSO / Net Control	Ham	146.01 MHz	123	146.61 MHz	123	A	ARES Primary
		TAC 1	ARES TAC 1	Ham	146.40 MHz	None	146.40 MHz	None	A	ARES Tactical
		TAC 2	ARES TAC 2	Ham	146.53 5 MHz	None	146.535	None	A	Ares Tactical
		Red Cross	Red Cross	Ham	146.01 MHz	123	146.61	123	A	Move to ARES Simplex ASAP
		Hospital	Hospital IC	Ham	144.67 MHz	123	145.27 MHz	123	A	
		Hospital	Hosp Simplex 1	Ham	147.44 MHz	None	147.44 MHz	None	DV	DV Simplex
		Hospital	Hosp Simplex 2	Ham	147.46 MHz	None	147.46 MHz	None	DV	

		MERT	MERT KK4DFC-V	Ham	146.790	None	146.79	None	DV	Primary call in freq
		MERT	MERT	HaM	145.17	None	145.17	None	DV	Shelters
		Madison County - Inquire regarding additional frequency beyond those listed below								
		ARES	ARES Rptr	Ham	145.19	123	144.590	123	A	Primary ARES Madison County VHF Repeater
		EM Rptr	Emerg Mgmt VHF Comm Rptr	County liason	159.21 N	127.3	154.025 N	127.3	A	Permission for local exercise participants to utilize during Exercise.
		ARES Simplex	ARES Simplex Net	Ham	14655	n/a	146.55	n/a	A	When repeaters down or overloaded
		Madison Cty Fire Simplex	Madison Cty Fire Tac 1	Simplex for Em. Mgt						Inquire locally for backup to ARES simplex
		Santa Rosa County -- Inquire regarding additional frequencies beyond those listed below								
		Logistics	HAM-K4SRC	Ham	146.70	100	146.10	100	M	Primary ARES
		Logistics	HAM-SARNET Milton	Ham	444.725	100	449.725	100	A	Statewide Repeater System
		Logistics	Ham-Call	Ham	145.52	N/A	145.12 ?	N/A	A	Primary simplex frequency
		Taylor County -- Inquire regarding additional frequencies beyond those listed below								
		VHF Rep	350	Local Net	145.35 W	N/A	144.750	123.0	A	Primary County Repeater, North End
		VHF Rep	HINES 745	Local Net	146.745 W	N/A	146.145	94.8		Linked with 350, south end of county
		VHF Rep	Public Works/ EM	Shelters	155.820 N	123	158.955	123	A	Comms with EOC
		GMRS Rep	GMRS Perry		462.675 W	141.3	467.675	141.3	A	Backup Shelter Comms
		GMRS Rep	GMRS North County	County Comms	462.725 W	141.3	467.725 W	141.3	A	Civilian emerg. comms, reporting to EOC
		Statewide	SARNET	State EOC Comms	443.100 W	948	448.100	94.8	A.	Primary comms to staate EOC; also county to county.

5. Special Instructions

- Use Channel Name to identify frequencies if moving from interference.

6. Prepared By (Communications Unit Leader) Name **Gordon Gibby KX4Z** Signature /s/

ICS 205	**IAP PAGE**	**Date / Time Mar 17 0100 EDT**

Appendix D: Suggested Forms & Usage Examples

Groups or participants may utilize these suggested forms or any suitable replacement.

Note that the Winlink auto-generated ICS-309 may be submitted as all or part of the required ICS-309 communications logging.

SHARES SPOTREP-2 Ver 9.5

(word-processor reproduction)

(Suggested for usage by deployed Individual Resource Units)

Date/Time	
From	
TO:	
CC:	
1 City / State / Territory:	
2. Landline Works	Yes__ No__ Unknown/NA__ Comment:
3. Cell Phone Works	Yes__ No__ Unknown/NA __ Comment:
4. AM/FM Broadcast Stations Status	
5.TV Stations Status	
6. Public Water Works Status	
7. Commercial Power Status	
8. Internet working	Yes__ No__ Unknown/NA __ Comment:
Additional Comments (Brief summary of current situation, expected outage times, major observations, etc)	
POC:	

COUNTY LEVEL DATA AGGREGATION

DATE: _____

Note: This page has space for five reporting units (deployed shelter volunteers, neighborhood reporting units, etc.) Make additional copies to accomodate additional reports.

	REPORTING UNIT				
SPOTREP FROM UNIT:					
TIME RECEIVED:					
LOCATION:					
	SITUATIONAL REPORT				
LANDLINE:					
CELL:					
AM/FM Broadcast:					
TV Stations:					
Public Water:					
Commercial Power:					
Internet:					
Additional Comments					
Point of Contact:					

GENERAL MESSAGE			
TO: JOHN JONES		POSITION: Meritorious County EM	
FROM: SUE SMITH		POSITION: RADO SHELTER #1	
SUBJECT: **SHARES SPOTREP-2**		DATE: MAR 19 2021	TIME: 1900 LOC
MESSAGE:			
REPORTING BAYVILLE ROFLIDA SHELTER #1. LANDLINE NO SOUND. CELLPHONES NO DIAL TONE. ONE AM STATION ON EMERGENCY POWER. NO TV STATIONS. WATER PRESSURE REDUCED, UNKNOWN PURITY. NO COMMERCIAL POWER. NO INTERNET. ADDITIONAL COMMENTS: 219 SHELTER RESIDENTS, NONE ILL OR INJURED, ADEQUATE PORTABLE TOILETS BUT LIMITED FOOD SUPPLIES SUFFICIENT ONLY FOR 6 MORE HOURS. POINT OF CONTACT SUE SMITH ON MERITORIUS COUNTY ARES VHF COMMAND NET..			
SIGNATURE: SUE SMITH		POSITION: RADO VOLUNTEER SHELTER #1	
REPLY:			
DATE:	TIME:	SIGNATURE/POSITION:	

EXAMPLE OF SHARES SPOTREP-2 FORMAT SENT AS AN ICS-213

Agency Situation Report

Incident/ Event Name:		Agency or Group Reporting:	
Date		Time:	Task No.
Prepared by:	Name	Dept/Agency	Contact Number

Current Situation: What is currently occurring within the area of responsibility for the Section/Function?

Percent of Electrical Services Operational (0-100):

Households without safe water:

Status of Broadcast Communications (describe):

Number of Persons in Shelters:

Number of Personals Hospitalized:

Outstanding Issues/Challenges: What issues within the current operational period still need to be resolved?

Anticipated Priorities/Activities: What will the Section/Function priorities be during the next operational period?

Other Comments/Issues: Are there any public information (media), safety or other issues that need to be reviewed?

Distribution: State__ City__ Planning__ Other: _____

GENERAL MESSAGE		
TO: JOHN JONES	POSITION: ROFLIDA DIV EMERGENCY MGT SUPERVISOR	
FROM: SUE TERRANCE	POSITION: MERITORIOUS COUNTY EM	
SUBJECT: MERITORIUS COUNTY SITUATION REPORT	DATE: MAR 19 2021	TIME: 1930LOC

MESSAGE:

CURRENT SITUATION. MULTIPLE TORNADO TOUCHDOWNS. 35 PERCENT ELECTRICAL SERVICES OPERATIONAL. 90 PERCENT HOUSEHOLDS WITHOUT SAFE WATER.. ONE REMAINING COMMERCIAL BROADCAST RADIO AM.. NO REMAINING TELEVISION BROADCAST. 1300 PERSONS IN SHELTERS. HOSPITAL OCCUPANCY 776 OR 120 PERCENT OF NORMAL CAPACITY.

OUTSTANDING ISSUES. PUBLIC SERVICE TRUNKING SYSTEM OVERLOADED. PUBIC TELEPHONE SYSTEM OVERLOADED. 911 CENTER MARGINAL FUNCTION.

ANTICIPATED PRIORITIES AND ACTIVITIES. PROVIDING FOOD WATER TO SHELTERS AND OPENING THREE ADDITIONAL SHELTERS, MOVING BACKUP GENERATORS TO ESSENTIAL FACILITIES.

OTHER COMMENTS. ICS 213 RESOURCE REQUEST IMMINENT..

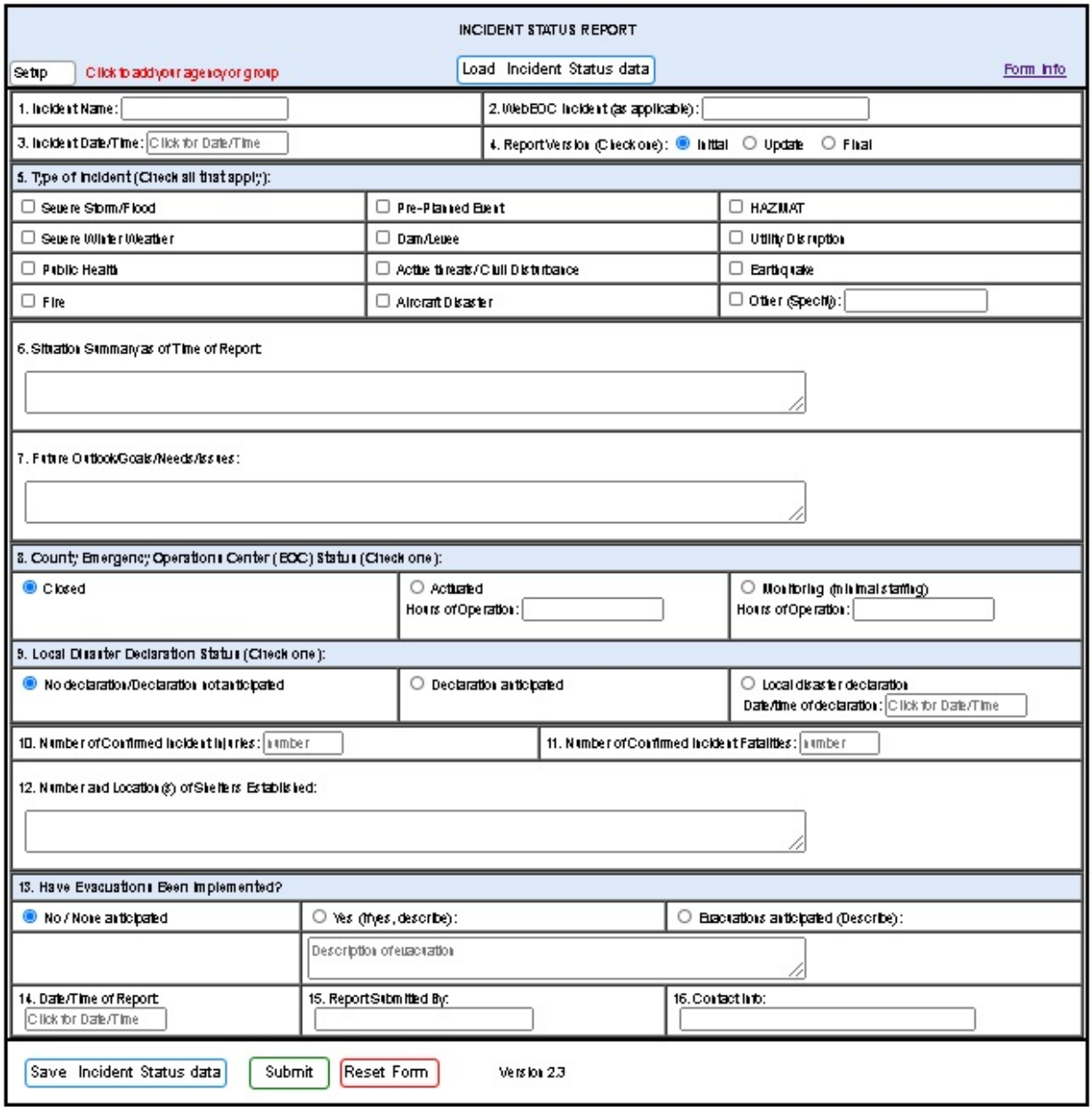
SIGNATURE:	POSITION:
SUE TERRANCE	MERITORIUS COUNTY EM

REPLY:

DATE:	TIME:	SIGNATURE/POSITION:

EXAMPLE OF AGENCY SITUATION REPORT TRANSMITTED BY VOICE AS AN ICS-213

WINLINK INCIDENT STATUS REPORT



INCIDENT STATUS REPORT

Setup | Click to add your agency or group | Load Incident Status data | Form Info

1. Incident Name:
2. WebEOC Incident (as applicable):
3. Incident Date/Time: Click for Date/Time
4. Report Version (Check one): Initial | Update | Final

5. Type of Incident (Check all that apply):

Severe Storm/Flood	Pre-Planned Event	HAZMAT
Severe Winter Weather	Dam/Levee	Utility Disruption
Public Health	Active Threats/Civil Disturbance	Earthquake
Fire	Aircraft Disaster	Other (Specify):

6. Situation Summary as of Time of Report:

7. Future Outlook/Goals/Needs/Issues:

8. County Emergency Operations Center (EOC) Status (Check one):

Closed	Activated Hours of Operation:	Monitoring (minimal staffing) Hours of Operation:

9. Local Disaster Declaration Status (Check one):

No declaration/Declaration not anticipated	Declaration anticipated	Local disaster declaration Date/time of declaration: Click for Date/Time

10. Number of Confirmed Incident Injuries: number
11. Number of Confirmed Incident Fatalities: number

12. Number and Location(s) of Shelters Established:

13. Have Evacuations Been Implemented?

No / None anticipated	Yes (If yes, describe):	Evacuations anticipated (Describe):
	Description of evacuation	

14. Date/Time of Report: Click for Date/Time	15. Report Submitted By:	16. Contact Info:

Save Incident Status data | Submit | Reset Form | Version 2.3

GENERAL MESSAGE		
TO: JIM JONES	POSITION: ROFLIDA DIV EMERGENCY MANAGEMENT	
FROM: SUE TERRANCE	POSITION: MERITORIUS COUNTY EM	
SUBJECT: WINLINK INCIDENT STATUS REPORT EXERCISE 2021 WHIRLWIND BOOM	DATE: MAR 19 2021	TIME: 1930 LOC
MESSAGE:		
INCIDENT TYPE: OTHER, MULTIPLE TORNADO TOUCHDOWN. SITUATION SUMMARY: MASSIVE LOSS OF ELECTRICAL AND WATER AND COMMUNICATIONS SYSTEMS AND DAMAGE TO APPROX 35 PERCENT OF COUNTY HOUSING. HOSPITAL AT 120 PERCENT CAPACITY. FUTURE: NEED EMERGENCY GENERATORS, CELL COWS, TRIAGE TEAMS, SEARCH AND RESCUE, FOOD AND WATER SUPPLIES FOR SHELTERS. EOC: ACTIVATED MERITORIUS COUNTY DISASTER DECLARED 1830 LOCAL INCIDENT INJURIES ESTIMATED 1800 INCIDENT FATALITIES ESTIMATED 57 14 SHELTERS OPENED WITH THREE MORE ANTICIPATED, ALL AT LOCAL ELEMENTARY, MIDDLE OR HIGH SCHOOLS. EVACUATION OF THREE ASSISTED LIVING FACILITIES AND ONE HOTEL ARE UNDERWAY..		
SIGNATURE: SUE TERRANCE	POSITION: MERITORIOUS COUNTY EMEREGENCY MANAGER	
REPLY:		
DATE:	TIME:	SIGNATURE/POSITION:

EXAMPLE OF WINLINK INCIDENT STATUS REPORT DELIVERED AS ICS-213

Suggested Survivor Messaging Form

(Groups may use this as a public input form or design a suitable one of their own choosing.)

OUTGOING MESSAGE TO LOVED ONES VIA _____ *(insert name of response organization)*	
MESSAGES MUST HAVE AT LEAST EMAIL ADDRESS -or- PHONE NUMBER FOR DELIVERY	
FROM:	*PRINT YOUR FIRST NAME | LAST NAME below:*
DATE:	*MONTH DAY, YEAR below:*
INCIDENT:	*GENERAL NAME OF INCIDENT below:*
TO:	*PRINT PERSON ADDRESSED TO below:*
	PRINT EMAIL ADDRESS below:
	***REPEAT** PRINT EMAIL ADDRESS*
	*PRINT **PHONE NUMBER** INCLUDING AREA CODE* ()
MESSAGE	PRINT MESSAGE TO SEND (MAX 100 WORDS) IN LINES BELOW:
TEST EXERCISE MESSAGE	
MESSAGE CREATOR ACKNOWLEDGES THAT ACCURACY OR EVEN DELIVERY IS NOT GUARANTEED THERE IS NO CHARGE FOR THIS SERVICE DONE BY VOLUNTEERS. **DO NOT PUT EMBARRASSING OR PRIVATE DETAILS AS THIS MESSAGE WILL NOT BE ABLE TO BE KEPT CONFIDENTIAL.**	

Amateur Radio “Radiogram”

NR	PRECED	HX	Stn of Origin	Check	Place of Origin	Time Filed	Date Filed
133	W		K4AAA	17	NEWTOWN		MAR 19

Addressed TO:

TOM JONES

email TJONES12@GMAIL.COM

phone 123 456 7891

Message Received At:
Station: _____ Phone: _____
Name/Addr: _____

<BT>

TEST EXERCISE MESSAGE X TRYING OUT THIS HAM RADIO NETWORK

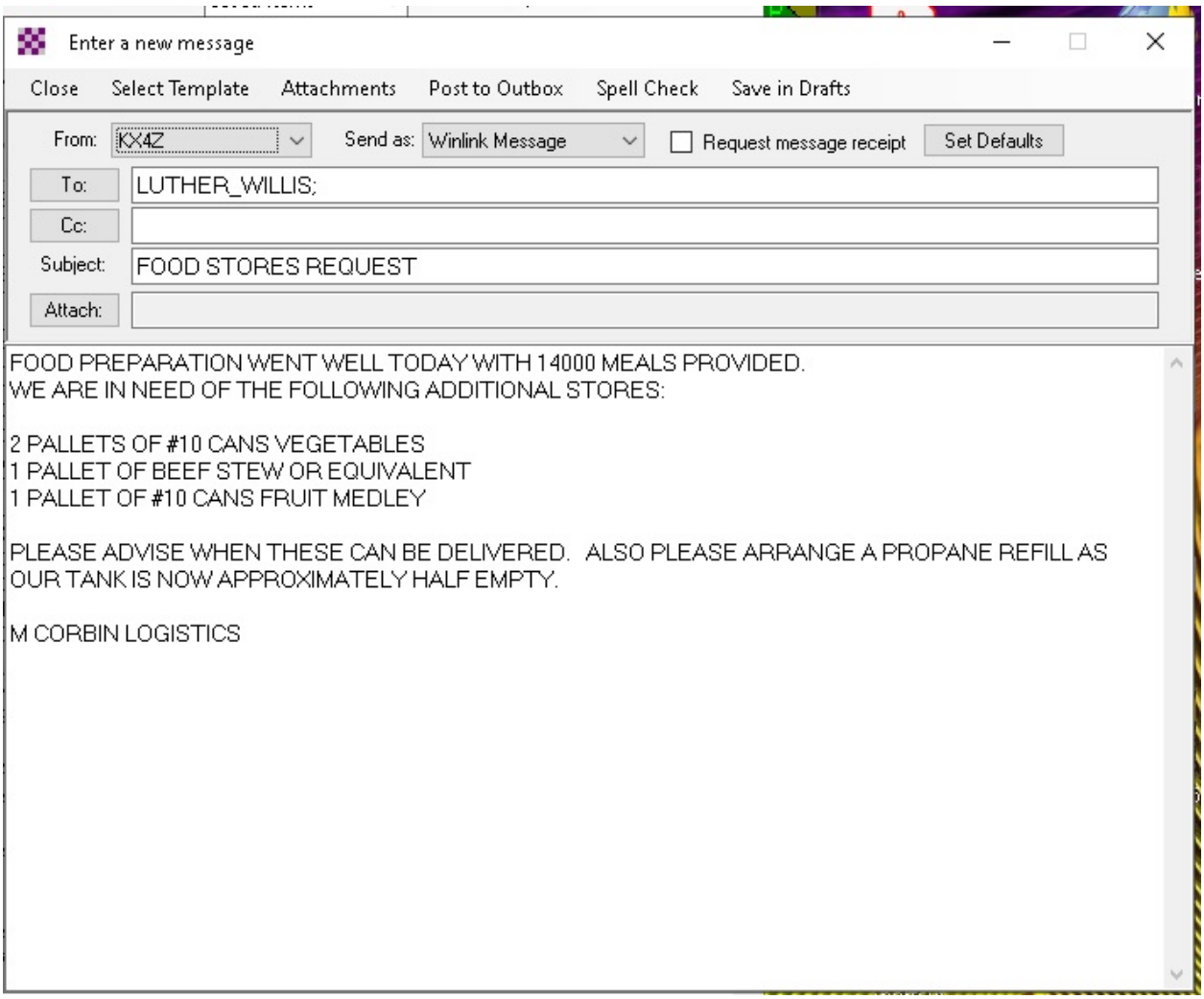
X HOPE THIS MESSAGE FINDS YOU WELL

<BT>

SIGNATURE: SUE SMITH

RCVD FROM DATE TIME SENT TO DATE TIME

EXAMPLE OF A SURVIVOR MESSAGE TRANSMITTED AS AN ARRL RADIOGRAM



EXAMPLE OF EMAIL DATA RESOURCE REQUEST FOR AN NGO

ICS-205A

1. Incident Name: 2021 Whirlwind Boom	2. DATE / TIME PREPARED: Date: Feb 15 2021 Time: 0500 EST	3. OPERATIONAL PERIOD Date From: Mar 19 2021 Time From: 1800 EST Date TO: Mar 19 2021 Time TO 2200 EST:
3. Basic Local Communications Information:	Participants will be BUSY. Important back-channel communications may be best via texting or direct cell phone connections.	
Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
Exercise Director	Gordon Gibby KX4Z NCS521	352 246 6183 docvacuumtubes@gmail.com
Chief of Volunteer Development & PSK31 Net Control Station	Dave Davis WA4WES	davedavis1@embarqmail.com davedavis4009@gmail.com
Roflida Div Emergency Mgt (Robert Little of FDEM plans to monitor this input and provide responses.)	RDEM	**RDEM@WINLINK.ORG** (If you receive (over radio) a transmitted report, you can then just put it into an email to this address. If using normal email, start SUBJECT line with //WL2K Limit is 120kbytes!)
Florida Baptist Disaster Relief comms group	Michael Crisler N4IFD Domenick Murabito WA3GTU	During exercise: **N4FBC@WINLINK.ORG** FBDR SHARES callsign: NND4DR Outside of exercise: crislerm@bellsouth.net
RESOURCE NET CONTROL	Dave Barton, N4QB Net Manager, Northern Florida Phone Net Voice-HF. Winlink	davebarton850@gmail.com
RESOURCE NET ALTERNATE CONTROL	Bob Downey WA1TCC Madison ARES Voice and Data 160 - 70CM Pat is set up and running	bob@wa1tcc.net
AMATEUR HF COMMAND NET CONTROL	Sandy Allison, KK4ODC Inverness, Florida	352-560-7671, circulate yes
BACKUP HF COMMAND NET CONTROL	Dave Davis WA4WES	davedavis1@embarqmail.com davedavis4009@gmail.com

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
SHARES Region 4	Gary Lennert, Deputy Coordinator, SHARES Region 4, NCS952 Voice HF, SHARES Winlink HF, If requested, we can supply ALE.	Reach via WINLINK address
SHARES Region 4	David Kirksey, Net Manager, SHARES Region 4, AFA4DO Voice HF, SHARES Winlink HF, If requested, we can supply ALE.	Reach via WINLINK address
SE SHARES NET MANAGER	David Kirksey	Reach via WINLINK address
SHARES SE REGIONAL COORDINATOR	Richard Rideout NNA4RR	Reach via WINLINK address
Alachua County ARES(R / EOC (staffing EOC radio room)	Leland Gallup AA3YB Phone, PSK, Winlink, JS8Call, VHF/HF, and HF Susan Halbert KG4VWI	EOC Callsigns: NCS181 (SHARES) and NF4AC (ham) Expect to respond to **NF4AC@WINLINK.ORG** Stegophylla1@gmail.com
Alachua County, ARES	David Huckstep W4JIR	dbhuckstep@cox.net
Alachua ARES	Wendell Wright, KN4TWS Whatever means needed from EOC	wwright3690@gmail.com
Alachua ARES(R)	Earl McDow K4ZSW voice, Winlink, JS8, FM VHF/ UHF, HF	earl.mcdow@gmail.com
Alachua County ARES(R) / GARS	Vann Chesney AC4QS Voice, PSK, Winlink, FM VHF/ UHF, HF	vochesney@gmail.com
Alachua County Inidividual Resource Unit	Lee Zhou (KO4MIR)	leizhou69@gmail.com
Columbia ARES(R)	Brad Schwartz N5CBP	dbswartz8@gmail.com
Vol. with Columbia County ARES	Mike Harding KN4YGT	kn4ygt@gmail.com

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
Flagler County Emergency Management / / Flagler County EOC	Ryan Simpson voice, Winlink, , FM VHF/UHF, HF, maybe other	rsimpson@flaglercounty.org NNA4FC also see jim grove
Madison County	Patrick Lightcap K4NRD	k4nrd01@gmail.com
MARION COUNTY ARES(R)	Mike Condon, w9mnc VOICE, WINLINK, FM VHF/UHF HF	w9mnc.1@gmail.com
SUWANEE ARES(R)	Ron Haines KN4EIC	horsedentist@reagan.com Voice, psk, Winlink, JS8, vhf/Uhf HF FM
Suwanee ARES(R)	Francis "Joe"Kelman" KI4TRR Suwanee ARES(R)	joe.kelman@gmail.com PSK, Winlink VARA, JS8 FM VHF/UHF,HF
Volunteer for Santa Rosa County DEM/ ARES / SHARES	Arc Thames (Voice, Winlink (NFL-SRCEOC), HF (will try to get up to speed on JS8)	arc.thames@srcares.org Main Line:850-979-4100
Volosia County EOC/SHARES	Doug Lynch KV4EOC, NNA4FL (SHARES) HF WinLink, HF Voice, SHARES & Amateur	Doug@douglynch.org
Taylor County Emergency Management	John Louk W4JJJ 8508434157, I'm good with circulating info.	8508434157
Volusia ARES(R)	James Lea WX4TV Winlink, VHF/UHF FM, HF	ec@volusiaares.org
Individual resource unit	Brian Schultheis, K4BJS voice/Winlink/JS8call, HF	k4bjs.ha@gmail.com
Individual resource unit	Grant, K4GDG Voice (HF, VHF), Winlink, FM VHF/UHF in Jax Area	
Individual resource unit (not part of group)	Michael Robinson KD2SXD HF Phone, HF Winlink, VHF, UHF	kd2sxd@gmail.com

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
Individual Resource Unit	Ron Wright, N9EE I will just be monitoring net frequencies. FM, VHF/UHF and HF	n9ee55@gmai.com
Individual Resource Unit	Timothy Cunningham KM4YGV	tdc@earthling.net
NATIONWIDE INDIVIDUAL RESOURCE UNITS / GROUPS		
CONNECTICUT		
Unspecified ARES(R) group participant	Rhonda Leonard-KC1KYN FM, WINLINK	rhonda.leonard@hotmail.com
Unspecified ARES(R) group participant	Chuck Rexroad AB1CR VHF/UHF FM and DMR, HF SSB and Digital, Winlink VHF and HF, classic packet, etc.	crexroad34@gmail.com
DELAWARE		
	Jim Moore KC3BTV	
GEORGIA		
member of Coastal Plains Amateur Radio Club	Greg Walls, W4GHW HF Voice, WinLink, PSK - VHF, UHF FM and SSB	w4ghw@arrl.net
Peach County GA EOC (near Fort Valley Ga)	Rick Gunderman WY4X Yep, voice, All digital modes on VHF and HF to include ALE.	wy4x.rick@gmail.com
member of GA ARES, GA AMERICAN RED CROSS, SPECIAL OPERATIONS COMMUNICATION GROUPS-GEORGIA	Alan Slutsky KA4FJV HF WINLINK ARDOP, HF VOICE	countryrxman@gmail.com
Individual Resourse Unit	Don Coltrane	donniec52@gmail.com
IOWA		
Individual. Member, Linn Co. IA ARES.	Bob Klaus N0YWB Winlink (telnet or HF 75m and 40m ARDOP), JS8, voice	N0YWB@winlink.org; 4003 I
KENTUCKY		

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
part of Daviess County Kentucky ARES	Jim Thompson WB0NEX Voice, most digital modes, FM, VHF/UHF, HF	lefty42303@yahoo.com
MICHIGAN		
member of Luce County Michigan ARES	K8PDC FM VOICE VHF/UHF, HF, WINLINK, FLDGI	brewbay58@hotmail.com
NEW JERSEY		
Individual Resource (not part of ARES)	Tim Tonnesen NJ2N HF Voice, HF NBEMS, HF Winlink, 80m-20m (60m on request)	nj2n.ocares@gmail.com
Ocean County Amateur Radio Emergency Service, Ocean County New Jersey	Mike, KC2SBR voice, winlink, fldigi, uhf/vhf/hf	msdaly59@gmail.com
NEW MEXICO		
SAN JUAN COUNTY NM EMCOMM GROUP	AL MASSARO KF5SMH VOICE, WINLINK HF AND VARA FM, DSTAR/D-RATS	ALMASSARO1@COMCAST.NET
NORTH CAROLINA		
Individual Participant	Bruce Perkins, K4ONC Voice (HF / VHF / UHF), Winlink	K4ONC@aol.com
OHIO		
Individual resource Unit	Bob French Winlink or JS8 , I live in Ohio and would like some practice. Happy to assist from a far winlink P2P, JS8 Call. No problem if you dont need the help	bobf@omegaiq.com
TENNESSEE		
Individual resource unit Harrison, TN	Gene Roll K4ZLK	generoll2000@yahoo.com
TEXAS		
AREA- WTX02	Patrick Aland, KG5ZYP, voice, PSK, Winlink, HF, FM	patrick.aland@att.net

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
Bexar Co ARES and Red Cross Emergency Communications	Lloyd Swarz KF5ZHW Voice HF Winlink(telnet)	lswartz780@yahoo.com
Lubbock County Texas ARES	Dennis K. Howard, W1BUB voice, winlink. JS8, FM SHF/UHF, HF	dkhoward8219@gmail.com
Individual, member of ARES(R) group	Tom Small - N1TOV Winlink , FM VHF/UHF , HF	smaltom@gmail.com
Williamson County ARES, TX	Wassim Nassif WN6WJN UHF/VHF	(phone restricted) 797 Sam Bass Road, #997, Round Rock, TX, 78681-0997
Individual member of Lee County ARES, Texas	Gaye Lynn Bailey, KF5PWN Voice, Winlink, possible PSK, JS8	KF5PWN@arrl.net
PENNSYLVANIA		
Individual resource unit	Bob Saber, K3RTS PSK, Winlink, JS8, and HF	rtsaber@yahoo.com
VIRGINIA		
Virginia Region 4 AUXCOM	Frank Howard - WB1USN VHF/ UHF & HF 80Meters to 10 Meters inclusive - Voice-Winlink-All Digital Modes	wb1usn@gmail.com
WASHINGTON		
Individual	April RC Nickols W7ANC Winlink, voice landline telephone, HF, FM VHF/UHF	abnickols@yahoo.com
Clallam County ARES, Sequim Red Cross	Carole Woods KI7TLS 51 Peninsula St., Sequim, WA 98382 - no need to conceal	GreenieWoods@yahoo.ca
Clallam County ARES , WA	Glenn KI7FXE	monkeygr3@yahoo.com
Red Cross / SHARES	Guy Mallery W6MSU	guy.mallery@redcross.org

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Incident Assigned Position	**Name (Alphabetized)**	**Method(s) of Contact (phone, pager, cell, etc.)**
4. Prepared by: Name: G Gibby vol Position/Title: _____ Signature: *s*		
ICS 205A	**IAP Page _____**	Date/Time: Mar 18 0700

COMM LOG ICS 309-SCCO ARES/RACES	1. Incident Name and Activation Number	2. Operational Period (Date/Time) From: To:
3. Radio Net Name (for NCOs) or Position/Tactical Call		4. Radio Operator (Name, Call Sign)

5. COMMUNICATIONS LOG					
Time (24:00)	FROM		TO		Message (INDICATE IF SURVIVOR MESSAGE)
	Call Sign/ID	Msg #	Call Sign/ID	Msg #	

ACTIVITY LOG (ICS 214)

1. Incident Name:	2. Operational Period: Date From: Date To: Time From: Time To:	
3. Name:	4. ICS Position:	5. Home Agency (and Unit):

6. Resources Assigned:

Name	ICS Position	Home Agency (and Unit)

7. Activity Log:

Date/Time	Notable Activities

8. Prepared by: Name: _____ Position/Title: _____Signature: ____

ICS 214, Page 1 Date/Time: _____

APPENDIX E:

SUGGESTED NET CONTROL SYSTEM OBJECTIVES

Why two different nets?	Goal here is to experiment with the ARRL EC-001 suggested technique of having a "RESOURCE NET" that functions to a) brief unprepared volunteers on the details of the incident, and b) provide new volunteers with a "mission" once matched up to an appropriate mission. As you can see, the Exercise Plan is quite a long document! Although our Exercise might be numerically small, it gives us a chance to test the concept of having lengthy explanations (such as an incident status, or this Exercise Plan) be communicated AWAY from the Command Net (which needs to stay generally OPEN for emergent traffic, etc. This is our first time trying the Resource Net. We will evaluate afterward its usefulness.
Resource Net Control	• **KEEP TALKING**. If you don't keep up a "yammer" on the frequency, you will LOSE IT or miss persons who might have found you and participated. • OFTEN ***invite new participants.*** You are our Advertisement! **THREE POSSIBLE IMPORTANT VOLUNTEEER POSITIONS** 1. **Originating Stations** A. simulated Agency Situation Reports B. simulated Survivor Messages (If your volunteer has WINLINK HF capabilities they can do either function wihout needing to put the messsage onto the voice net.) 2. **Out-Of-State Ordinary Email Relay Stations**. Out of state stations who can simply receive a voice transmission of an Agency Situation Report or a Survivor Message, and put it onto email (or telephone, if suitable). NOTE: ordinary email directed to

	RDEM@WINLINK.ORG must have //WL2K as the first characters in the SUBJECT: line of the email message to escape the spam whitelist filter! *You probably want to be very familiar with this yourself!* 3. **In-State WINLINK Relays:** In-State stations with HF WINLINK capabilities, who can send/receive traffic from voice-only stations to Winlink RDEM@WINLINK.ORG or similarly send outbound SURVIVOR MESSAGES. (We are NOT accepting inbound replies to survivor messages.) • Provide a thorough briefing to any new participants of the overall exercise goals and layers. • Determine a good "fit" for any new participants and missions, keeping in mind any INJECTS that are sent to you by the Exercise Director. [Exercise Director will start you off with a series of unfilled missions.] For example: ◦ Are they roughly near or within the "disaster area" and could create survivor messages, or Situation Reports? You could tell them their Internet and cell phone no longer work, and they are to to create a Situation Report of a tornado or other dire problem within their simulated post addressed to RDEM@WINLINK.ORG , and to manufacture some outgoing Survivor Messages to distant friends/ family.. ◦ Or are they far from the "disaster area" and could be a receiver station of outgoing Survivor Messages, or help relay Status Reports? You could instruct them that they can go help receive Survivor Messages or Status Reports and use their still-working Internet to forward them to the proper recipient. • Once you have determined a good fit for the new volunteer, as Resource Net Control, **if the Exercise Director has gotten behind in providing you with further unfilled missions, you have delegated authority within this Exercise, to commission them (as if you were handing out Mission Orders) to go perform that mission**, possibly joining the Command Net as a result.

	• Record assignments that you make, such as on your ICS-214.
Command Net Control	An old teaching about the duty of Net Controls is to clear all of the traffic, as soon as possible, to an appropriate recipient, respecting the Precedence of the listed traffic in making connections. **Keep up Talking** so that you keep your net control Frequency. **Explain this is an Exercise. - Over and Over and Over!** This is the Command Net for the Whirlwind Boom 2021 Exercise. **Be on the lookout** for Emergency or Priority traffic, or any urgent informal messages ("tactical traffic"). Make the proper connection for all of these. **THREE POSSIBLE IMPORTANT VOLUNTEEER POSITIONS** 1. **Originating Stations** A. simulated Agency Situation Reports B. simulated Survivor Messages (If your volunteer has WINLINK HF capabilities they can do either function wihout needing to put the messsage onto the voice net.) 2. **Out-Of-State Ordinary Email Relay Stations**. Out of state stations who can simply receive a voice transmission of an Agency Situation Report or a Survivor Message, and put it onto email (or telephone, if suitable). NOTE: ordinary email directed to RDEM@WINLINK.ORG must have //WL2K as the first characters in the SUBJECT: line of the email message to escape the spam whitelist filter! *You probably want to be very familiar with this yourself!* 3. **In-State WINLINK Relays:** In-State stations with HF WINLINK capabilities, who can send/receive traffic from voice-only stations to Winlink RDEM@WINLINK.ORG or similarly send outbound SURVIVOR MESSAGES. (We are NOT accepting inbound replies to survivor messages.)

	Match up persons listing traffic (e.g. Status Reports from a County or EOC, or Survivor outbound messages ("health and welfare") with potential person(s) who can move that traffic (typically by sending it on to the addressee by email, or by telephone -- once the message have moved "out of disaster theater" we assume the full resources of the Internet are available can be used) **Any (radio) means possible** Traffic can be moved by ANY RADIO TECHNIQUE THAT BOTH PARTICIPANTS KNOW HOW TO DO. Our Exercise is designed to give participants the chance to try as many methods as possible -- move traffic by voice; move traffic by peer-to-peer PSK31; move traffic by peer to peer RTTY; move traffic by peer to peer WINLINK; move traffic by peer to peer JS8; even direct persons to try to hit an RMS out of the disaster area if you have no one who could take that traffic. If possible, familiarize yourself with as many of these various ways to move traffic, so that you can give assistance if the participants are confused. For example, many may not realize that with PSK or RTTY or JS8, you can specify the dial frequency (phantom carrier frequency) and the mode (upper sideband) -- but THEY can choose the audio offset frequency, and generally find each other even if they choose different audio offsets, since these modes typically present a browser that shows portions of ALL communications within the passband. Your WINLINK peer-to-peer participants may never have done peer-to-peer winlink before and may not realize: a) a message has to be created as peer-to-peer message, not a normal winlink one; b) it must be addressed to the callsign of the person they are going to transfer it to – or it won't transfer! This callsign will likely be different from the actual addressee the message will finally reach... c) the Session type has to be peer-to-peer d) the two stations have to choose the same DIAL

	frequency (or the same CENTER frequency, which will always be 1500 Hz Higher) These digital techniques can offer error-correction, high speeds, and ease of transfer – but they can also require higher levels of understanding by the participants! **Track Capabilities** Learn which capabilities each of your resources knows how to do so that you can match them up optimally. **Side Frequencies** IF you have the ability to watch surrounding frequencies, such as a panadapter on your radio, attempt to direct traffic" movement on "side frequencies" off the main net channel to keep it free. Do the best you can if you do not have a panadapter. An A/B VFO setup can allow you to periodically monitor a particular side frequency. **Keep Net Frequency Available** AVOID having your net frequency "overwhelmed" by a person moving a lengthy piece of traffic right on net frequency. If you must move traffic on the net frequency (which is fine), ask the participants to stop at intervals so you can inquire if there is Emergency or Priority traffic to be listed. E.G., have them stop after the preamble, again after the Address, and after each couple of minutes of text. **Tough Traffic!** Recognize that modern disaster management involves DATABASES and STRUCTURED INFORMATION. This is why the Exercise has participants moving structured formats for status reports. These tend to be lengthy! Some of your participants will be unfamiliar with the ICS-213. Some will not know that it could be encapsulated within a RADIOGRAM to give it better tracking and reliability. Assist them to move the traffic as best as they can and AVOID REMONSTRATING volunteers for any lack of knowledge or procedure. This is an Exercise to LEARN. **Injects** Keep track of any INJECTS that your receive (typically by a back channel, such as a telephone call or email) from the

	Exercise Director. **Coverage** If you have to leave for a brief period (e.g., to visit the restroom or to go check winlink email or study an INJECT) appoint an interim NET CONTROL to keep the net moving while you are away. **Alternate/Assistant** Try to have some assistant, best in a different geographical area, to help with communications to persons whose signal is difficult for you. **Track Traffic** Use some means to keep a track of what traffic was listed, and what traffic was moved on your net. If possible, keep track of the technique by which it was moved (voice, psk, etc). You can use a handwritten ICS-309 for this purpose if it works adequately for you. If you prefer a different form, you might consider pasting the result into an ICS-214 form to turn in later. **BE NICE!** This can be STRESSFUL. Volunteers are embarrassed. For many, this is the first time they have ever participated in something moving this much traffic, and this level of COMPLICATED traffic. They are GOING to make mistakes. Be gracious! And if you lose your cool (which I've been known to do) just apologize quickly and move on. One of the goals of this Exercise is to get people who WILL be working with each other during real Incidents, a chance to rub shoulders in an Exercise, so we learn each others' strengths, weaknesses, capabilities, and personalities. It will help you later!

VERSION	Date of Release	Significant Changes
1.4	March 5, 2021	Initial explanation -- We have SO MANY individual resource units that U.S. Postal Mail injects to the individual resource units all other USA would be a daunting task -- so I'll be sending encrypted injects along with the decryption information (also reprinted above) -- this uses a web based very simple decryption system. Allows them to download the entire injects -- but makes "peeking" more difficult!
1.3	March 5 2021	Correction to explain that SHARES should not except in very extenuating circumstances, be used for citizen-input H&W traffic.
1.2	March 2 2021	Corrections to EDT
1.0	Feb 21 2021	First "final" copy in HSEEP copy and carefully reviewed.