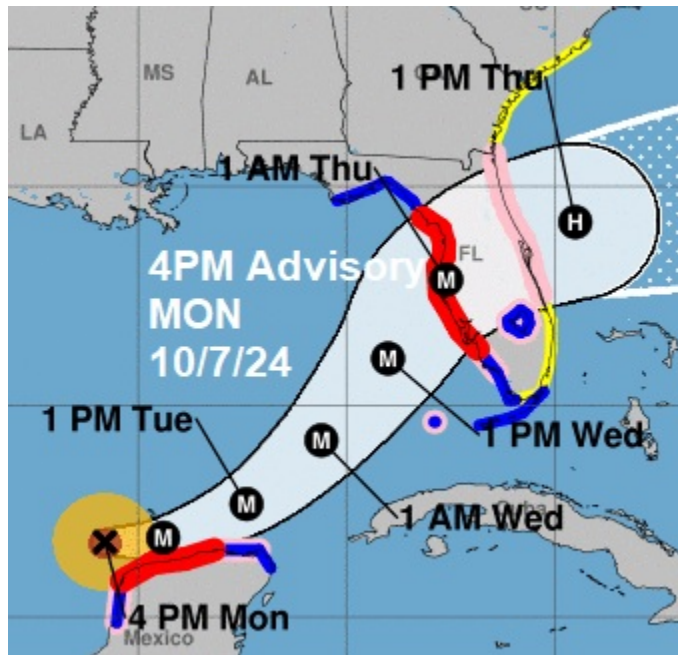


Alachua County AUXCOMM Volunteers Response to Hurricane Milton Oct 9-10, 2024

DRAFT



Prediction Cone On Monday 10/7/2024

After Action Report/Improvement Plan

HANDLING INSTRUCTIONS

Points of Contact:

Alachua County AUXCOMM Volunteers:

Name: Jeff Capehart
Emergency Coordinator
FCC License: W4UFL

Name: Gordon Gibby MD, Asst. Emergency Coordinator
FCC License: KX4Z
SHARES License: NCS521, NND4FL

Acknowledgment

This document borrows heavily from the excellent AARIP for Nicole/Ian that was written by Brett Wallace, NH2KW.

DRAFT VERSION

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EXECUTIVE SUMMARY

Hurricane Milton aimed a bit more southerly than the previous 2 hurricanes of this season, but in Alachua County we were still concerned that we might get hit by a last-minute course change. Reaching Category V status during its quick trip across the Gulf of Mexico (later declining to Cat III) just raised concerns higher.

Again the forecasts were "early" -- each forecast delaying the proposed arrival and making planning more difficult for schools and leadership. We ended up having a nice day on the first day that schools were out -- and then the bad weather arrived in the evening. Alachua county got strong winds, but relative much fewer power outages.

Our Shelters, however, were FAR more busy, with as many as 621 total residents, the greatest percentage being evacuees from further south. We still had gasoline -- but there were no hotel rooms anywhere before Alabama or Georgia -- so many residents just stopped at a shelter for the night. An additional shelter (bringing the number to 4) had to be opened as shelters literally were overflowing. Thankfully, one of our volunteers was willing to go staff that shelter on late notice.

The next day dawned much better weather and our shelters rapidly emptied, and with the risks of communications loss much lower, our volunteers were released after only approximately 24 hours service.

Our group carried out an important test of a newly-recognized UHF :Repeater (KC4NWK) while setting up for the night, and we still identified a large number of items we can further improve.

We had over fifty local radio amateurs check into our Command Net beyond those serving in deployed locations, and we estimate a total of 138 deployed hours, potentially raising \$22,080 for Alachua County in federal reimbursement dollars. Alachua County ARES(R) appears to have developed over \$60,000 this calendar year for Alachua County.

Major Strengths

- Notification from the Emergency Manager's office was timely and significantly in advance of deployment
- Delivery of go-boxes was excellent
- Return of go-boxes did not require our team to handle; all taken care of

- Communication amongst team members (in planning and preparation) was noted as a major strength.
- Voice and data lines of radio communication were maintained continuously through the storm.
- Activated 8 badged volunteers for the hurricane (counting Dave Huckstep also)
- Staffed the EOC with 2 team-members for the majority and 1 for ending.
- Staffed 3 shelters with 1-2 team-members at each location for the hurricane
- Operated net control from a remote location which reduced the burden on the EOC team.
- Continued greatly increased data input from county amateur radio operators outside of normal volunteer group--50 checkins in excess of our deployed volunteers!
- Successful usage of previously developed pre-signed (bitmap) ICS-214s for volunteer effort reporting.
- Successful sign-out and deployment of LiFePO4 charged batteries
- Volunteer assist with deployment of STARLINK and MBK, and recognition of its shortcomings in a wind-related disaster¹
- First testing of 6 meter simplex Single Side Band communications as a possible way to handle distant edges of the County

Primary Areas for Improvement

- Gainesville area SARNET interconnection still inoperative
- KX4Z internet lost during storm.

¹ Excellent work by Brett Wallace NH2KW

SECTION 1: RESPONSE OVERVIEW

| | |
|------------------------------------|---|
| Response Name | Hurricane Milton 2024 |
| Response Dates | October 9-10, 2024 |
| Scope | The storms affected multiple jurisdictions. The scope of this AAR/IP is focused on Alachua County AUXCOMM Volunteer response. |
| Mission Area(s) | Response |
| Core Capabilities | Operational Communication, ² Planning, Information Sharing, Public Information, and Community Resilience ³ |
| Objectives | <ol style="list-style-type: none">1. Safety of volunteers and community2. Property safety3. Backup communications4. Practice communications protocols including Field Situation Report5. Test 6 meter SSB if possible6. Everyone deployed successfully submit signed ICS-214's |
| Threat or Hazard | High winds, flooding |
| Scenario | Category 4 Hurricane |
| Sponsor | Mother Nature |
| Participating Organizations | DHS/FEMA, Florida DEM, Alachua County Office of Emergency Management, North Florida ARES®, Alachua County ARES® Volunteers. |
| Point of Contact | Gordon Gibby, MD, KX4Z, docvacuumtubes@gmail.com |

2 https://www.fema.gov/sites/default/files/2020-07/fema_ESF_2_Communications.pdf

3 <https://www.fema.gov/emergency-managers/national-preparedness/mission-core-capabilities>

Disaster Planning Team

Jeff Capehart W4UFL
Gordon L. Gibby KX4Z
David Huckstep W4JIR
(Leland Gallup was traveling internationally.)

Active Volunteers

Jeff Capehart W4UFL - Alachua County EOC (ESF #2)
Gordon L. Gibby KX4Z- Alachua County EOC (ESF#2)
David Huckstep W4JIR- Alachua County Net Control Station
Earl McDow K4ZSW - Backup VHF Net Control
Susan Halbert KG4VWI- MLK Shelter (ESF#6)
Rosemary Jones KI4QBZ - MLK Shelter (ESF#6)
Dean Covey KV4RL - Senior Center/Special Needs (ESF #6)
Brett Wallace NH2KW - Easton-Newberry Shelter (ESF#6)
Eric Pleace KO4ZSD- Courier, & Meadowbrook Elementary Shelter (ESF#6)
A large number of ad-hoc community ham radio operators who made reports into our response.

SECTION 2: DISASTER RESPONSE PLAN DESIGN SUMMARY

Disaster Response Plan Purpose and Design

The purpose of the Alachua County AUXCOMM Volunteers is to support the Alachua County Office of Emergency Management by providing auxiliary communication in the event that phone and internet communications are interrupted.

The Incident Action Plan (IAP):

Our team maintains a consensus-developed Communications Plan, which can be reviewed at: <https://www.nf4rc.club/comms-plan-2/>. A simple IAP was created as an ICS-201 Briefing Document combined with an IC-205, prior to deployment, record in an Appendix. An additional IAP was produced to help guide demobilization.

Incident Command System / Leadership

The Alachua County AUXCOMM Volunteers are task organized under the Emergency Support Function #2 (Communications⁴).

Jeff Capehart is the Emergency Coordinator. Gordon Gibby created the IAPs. Gordon Gibby (Level III) , assisted by Jeff Capehart (Level II) , provided staffing for the EOC radio room during Hurricane Milton.

4 <https://www.fema.gov/pdf/emergency/nrf/nrf-esf-intro.pdf>

SECTION 3: TIMELINE AND EVENTS

| TIME (DATE) | EVENT | COMMENT |
|--|--|--|
| 8PM Sunday October 6, 2024 | First Hurricane Net- | We held this hurricane net EARLY in hopes of getting our volunteers lined up. This was successful with estimates of availability |
| 8PM Monday October 7, 2024 | Draft Initial IAP sent to 2 volunteers for review | Allowed oversight of plans and writing. |
| Tuesday Morning October 8 2024 0500 LOC Oct 8 | Initial Deployment Private IAP | Sent to mail group of known deployment volunteers (but accidentally left out Eric) Also sent to EM Director and Asst Director |
| 6 PM Tue Oct 8 | Two simultaneous conferences: Alachua County Briefing NFL Section Briefing | Both conferences were on large screen TV's at the Gibby household for review |
| 7 PM Tue Oct 8 | Early October ARES(R) meeting @ Gibby household | Get all the planning finished for the hurricane and the upcoming tower range test at new EOC |
| Wednesday Morning October 9, 2024 | First deployments: EOC 9AM 3 Shelters 11 AM | |
| Noon Oct 9 | First command net | |
| 2 PM Oct 9 | Test of KC4NKW UHF repeater | 24 participants - generally very successful |
| 4 PM Oct 9 | Opening 4th shelter | Both Newberry Easton and MLK had been full to overflowing |
| 8 PM Oct 9 | Landfall of Hurricane south of Tampa | |
| ~ 9 PM Oct 9 | Arrival of tropical storm level winds | |
| Thursday Morning Oct 10 0800 | First command net of Oct 10 | Only ~ 4000 power losses throughout county; far less than with Helene |
| 1000 | Volunteers released | |
| | | |

Amateur Radio Infrastructure Failures

| No. | Item | Comment |
|-----|---|---|
| 1 | KX4Z location lost internet but not commercial power approx 8 PM Wed before the arrival of significant winds. | At this time, the cause is not known. Internet returned after 3 days. |
| 2 | The Gainesville SARNET outlet remains inoperative due to equipment failure on the State side. | No estimate yet of expected return to function. |

NOTE: Amateur radio infrastructure losses were much less in quantity during Milton than either Helene or Debby.

SECTION 4: ANALYSIS OF OBJECTIVES / RESULTS

Aligning exercise objectives and core capabilities provides a consistent taxonomy for evaluation that transcends individual exercises to support preparedness reporting and trend analysis. Table 1 includes the exercise objectives, aligned core capabilities, and performance ratings for each core capability as observed during the exercise and determined by the evaluation team.

Objectives come from our Incident Action Plan.

| Objective | Core Capability | Performed without Challenges (P) | Performed with Some Challenges (S) | Performed with Major Challenges (M) | Unable to be Performed (U) |
|--|-----------------------------------|----------------------------------|------------------------------------|-------------------------------------|----------------------------|
| 1. Safety of volunteers and community | Community Resilience ⁵ | P | | | |
| 2. Property Safety | Community Resilience | P | | | |
| 3. Backup communications | Operational Communication | P | | | |
| 4. Practice communication protocols including Field Situation Report | Operational Communication** | P | | | |
| 5. Test KC4NWK Repeater ⁶ | Operational Communication | P | | | |
| 6. Everyone deployed successfully submit signed ICS-214's | Operational Communication | P | | | |

Table 1. Summary of Core Capability Performance

5 <https://www.fema.gov/emergency-managers/national-preparedness/mission-core-capabilities>

6 Inadvertently, the older task of testing 6 meter SSB was in the IAP but that was in error.

OBJECTIVE 1:

Safety of volunteers and community

Strengths

Strength: Volunteers were safe in shelters and for the EOC, relief was available if needed. We had a new volunteer deployed at a shelter for the first time, an increase in our force. At the peak, 621 residents were safely housed in Alachua County shelters.

Strength: Detailed Alachua County maps acquired from the Chamber of Commerce were for the first time distributed in Go boxes or with batteries.

Areas for Improvement

Area for Improvement: Still need more volunteers. Need to send in names of those who are ready for background checks.

OBJECTIVE 2:

Property Safety

Strengths

Strength: All of our gear was properly transported, set-up, utilized, re-packed and transported back again. The community escaped major property damage and had relatively few power outages.

Areas for Improvement

Area for Improvement: Assist elements of Alachua County governance to communicate effectively regarding the deployment of radio go-boxes.

OBJECTIVE 3:

Backup Communications

Strengths

Strength: Deployment planning was via telephone calls and emails. During the incident, VHF voice was the primary means of communication. We continued to have wonderful involvement of peripheral amateur radio operators, and conducted the first tests of the KC4NWK repeater.

Strength: We continued to have wonderful involvement of peripheral amateur radio operators, and conducted the first tests of the KC4NWK repeater.

Strength: For the first time, thanks to Jeff Capehart, we were able to get the TV in the radio room to capture broadcast news and weather, by connecting it to one of our tower-mounted VHF/UHF antennas. This worked better than the 800 MHz antenna, and gave us another detailed source of weather information that could be provided to the shelters.

Strength: Brett Wallace NH2KW, sent in multiple Winlink Field Situation Reports which went correctly into our GIS-mapping systems.

Areas for Improvement

Area for Improvement: All of the means of notification listed in our Comms Plan were not utilized, due to lack of time for planning.

Area for Improvement: Six-meter antennas could be constructed by our group to increase the number of stations able to use this powerful simplex technique.

Area for Improvement: Some form of antenna multiplexer might make it possible to have simultaneous TV reception as well as VHF usage of one antenna; another multiplexer with protection limitation might provide simultaneous weather radio alert reception simultaneously with UHF radio usage on another radio.

OBJECTIVE 4:

Practice communication protocols including testing the KC4NWK 2 meter repeater.

Strengths

Strength: We had excellent participation in the KC4NWK UHF repeater testing, which indicated coverage throughout most of the county.

Areas for Improvement

Area for Improvement: We could increase our practice at winlink Field Situation and other reports.

OBJECTIVE 5:

Test KC4NWK repeater

Strengths

Strength: We completed a very successful test early in the deployment cycle, with 24 persons checking into this repeater, with good audio quality, even from handhels in Newberry and Alachua.

Areas for Improvement

Area for Improvement: Provide battery backup power for this repeater.

OBJECTIVE 6:

All deployed volunteers successfully submit signed ICS-214's.

Strengths

Strength: We believe this objective was met. ARES(R) Amateur radio volunteers provided 23 hours of service at each of three shelters, with a total of 4 volunteers in that effort; and 24+22 hours of deployed service total at the EOC, a total of 138 volunteer hours. Assuming \$20/hr & match of 8:1 this could result in \$22,080 in reimbursement for Alachua County.

Areas for Improvement

Area for Improvement: Peripheral and new volunteers were less familiar with the ICS-214 and the Alachua County EOT page for submission.

Area for Improvement: Information as to exactly how our volunteers are supposed to fill out the submission form on the EOT page could be disseminated to our group.

Area for Improvement: The submission process for "Volunteers" could be streamlined and tested for anomalies (which were experienced⁷). An example form could be provided with the go-box or with batteries.

Area for Improvement: Blank as well as example ICS-214 forms could be included with the Go-Box or with the batteries.

⁷ Depending on order of selections, "Volunteer" option might or might not appear.

SECTION 5: CONCLUSION

The Alachua County volunteers had a generally very successful deployment service for the EOC and county shelters during Hurricane Milton. Planning and execution of the deployment was generally well-done, with good interaction between volunteers and Emergency Management Department. The updated Comms Plan and past Improvement Plans that corrected various issues contributed to making this deployment fairly uneventful, and better and two IAPs were released.

We were elated at several triumphs: integration of significantly more community volunteer participants into reporting (>50 different stations). We carried out programming of shelter go-boxes for the KC4NWK UHF repeater and successfully tested it, along with 24 community amateur radio operators, finding it an excellent backup resource.

Our volunteers provided an estimated 138 hours of volunteer service which can be counted and matched by considerable federal funds, estimated at \$22,080. Our total federal funds potential since we began keeping records in 2022 is now more than \$89,000 for the county. Our volunteers were released in a timely fashion when communications threats had largely abated.

We had yet another opportunity to demonstrate some of the great backup communications capabilities of the radio room, to Commissioner Alford.

APPENDIX A

IMPROVEMENT PLAN

| No. | Finding | Remedy | Assign -ed to | Target Completion |
|-----|---|--|------------------|--|
| 1 | Team Depth | Compile list of persons ready for badging. | Jeff/ Gordon | November ARES(R) meeting |
| 2 | Additional leadership (e.g. Gordon) were not getting pre-deployment text alerts | Ask Dave Peaton to get frequent Wednesday participants Gordon Gibby, Dave Huckstep, Eric Pleace back on the list. | Leland | December meeting |
| 3 | Everbridge notification list needs to be updated | Leland to update | Leland | December meeting |
| 4 | Only Leland knows how to initiate Everbridge | Have Leland cross train people | Leland | December meeting |
| 5 | ALE signals not seen from FDEM (used in our monthly practices). | Adjust the Comms Plan to better reflect AUXCOMM versus State Watch Office methods of communications; remove ALE until actually scheduled by FDEM | Gordon | We have a better understanding of the communications available from various sources at FDEM now. |
| 6 | The TV already present in the radio room can find 50 digital broadcast stations if connected to VHF/UHF antenna | Acquire F-to-SO239 adapter so can be connected | Gordon | Completed. New adapters have arrived and have been inserted. |

| No. | Finding | Remedy | Assign -ed to | Target Completion |
|-----|---|--|------------------|---|
| 7 | Available radio room TV can find 50 digital broadcast stations if connected to VHF/ UHF antenna | Construct simple antenna multiplexer VHF vs UHF possibly with limiter, so TV can coexist with VHF transceiver on same antenna | Gordon | Jan 15, 2025 |
| 8 | Limited personnel to administer HF net | Ask available unbadged volunteers to take shifts on existing State/Section HF nets; place in boiler-plate IAP | Gordon | In next IAP |
| 9 | Limited personnel to administer HF net | Utilize State/Section HF nets rather than local net; place in boiler-plate IAP | Gordon | In next IAP |
| 10 | Missing 40 meter frequency assignment for local HF net | Utilize State/Section HF nets rather than attempt to maintain our own; adjust ICS-205 and put in boiler-plate IAP | Gordon | In next IAP |
| 11 | Excellent local coverage on 6-meter 50.135MHz USB SSB | Investigate impact of adding "paralleled" 6 meter dipole to existing HF antennas; possibly a fixed series segment to separate that antenna | Group | Report by December meeting |
| 12 | Excellent local coverage on 6-meter 50.135MHz USB SSB | Add 50.135 to ICS-205 and utilize available HF radios for monitoring, and available Antenna Multiplexer connectors | Gordon | Add into boiler plate IAP by next meeting |
| 13 | Limited identification of our volunteers | Find out possibilities and costs for subdued special shirt for volunteers | Jeff | By December meeting |
| 14 | Difficulty monitoring multiple simultaneous VHF/UHF frequencies | Investigate "scanning" functions of GMRS or Yaesu radios | Gordon | By December meeting |

| No. | Finding | Remedy | Assign-ed to | Target Completion |
|-----|---|---|----------------------|---|
| 15 | Confusing questions on form to submit ICS-214 | Ask EM staff to provide guidance on filling in form and to validate the procedure | Gordon | Jan 1, 2025 |
| 16 | Limited access to EOT page / forms if Internet not available | Include several applicable paper forms in the Go Box (possibly in the Notebook Binder) | EOC leadership group | Jan 1, 2025 |
| 18 | Labeler requires 6 AAA batteries, which we don't have | Investigate whether it can take external input; otherwise provide additional AAA batteries | Eric | By December meeting |
| 19 | No access to Monday.com | Inquire if we could have at least read-only access to Monday.com | Leland | By December meeting |
| 20 | EOC radio room has no weather radio alert | Procure Weather radio with alert and connect to some antenna; potentially through an antenna multiplexer type connection | Gordon | Multiplex with a transmitter used for UHF only; provide limiter for protection as the weather radio is receive only |
| 21 | Confusion on the various SSID's of data radio assets | Add callsigns to either ICS205 or 205A including SSIDs | Gordon | Somewhat similar to our available VHF map By December meeting |
| 22 | Confusion in how to fill out the ICS-214 | Place a SAMPLE in with the Go-Box (and on web page) | Gordon | By December meeting |
| 23 | Difficulty understanding what will be powered by generators at various shelters | Ask volunteers to document whenever they are on generator power; provide a data gathering sheet and record for each shelter | Gordon | By December meeting |
| 24 | No one with current NWS CHAT access | Investigate what is required and effort/benefit ratio | Jeff | By December meeting |
| 25 | Possibility of a permanent ham station at Senior Center | Investigate level of interest to have ham radio activity and equipment available at Sr Center | Jeff | February 1, 2025 |

| No. | Finding | Remedy | Assign -ed to | Target Completion |
|-----|---|---|------------------|--------------------------------|
| 26 | Courier volunteer was inadvertently left out of the very first IAP distribution | Include couriers as well as home NCS stations always in hurricane volunteer gmail group | Gordon | Added into current Label group |

APPENDIX B

HOTWASH DOCUMENTATION

HOTWASH COMMENTS – HURRICANE MILTON

Hotwash: 7 PM Zoom Saturday October 12 2024

Eric: Staff at Meadowbrook were outstanding; helpful, professional, clear; positive; welcoming, great staff. Needed an extension cord; they found him one; also a splitter; they brought him a table.

(2) “should have been better prepared” – didn’t have anything to sleep on, so on 2 cushions on the floor, not great but – they don’t have cots.... Deployed at short notice, didn’t think about it. Generator at Meadowbrook JUST RUNS THE LIGHTS – no power outlets. There were red power outlets...but they didn’t seem to have output – he was on red outlets but they didn’t lose power so doesn’t know if they have power.

Eric: Thought the management of the net was outstanding; David clear concise; not too frequent also. Reports coming in from Jeff were excellent (weather) able to pass on to people in the shelter. Our end of it worked well.

Dave H: our 205 had no option for 40 meter (local net); thought we might want to consider 40 meters (especially during day); thought the weather reports were a lot more important than people think, the weather reports from Jeff were outstanding and people were wanting that information. (Gordon spied over his shoulder and learned a lot about where he was getting information!!) Frequency of net check in worked out much more efficient every 2 hours, and adjustable for “whats going on” – more efficient and more relevant.

Jeff: more frequent nets also help to emphasize keeping the frequency; but 20 years ago there were many more people “jumping on” and now we have much less trouble with that. So we don’t have to keep up a constant chatter, as much.

Dave: stays pretty close to the radio so he could respond at any time.

Jeff: at EOC, 2nd time in a row in a while; Gordon got to see what it takes to monitor 4 different frequencies at same time; lots of things connected to the antenna; not a lot of options to monitor; if the 82 fails, switching to 55, change what is primary; the radios we have don’t seem to allow the 2nd channel to come in; not very efficient. Disadvantage if just had a SCANNER – would have to skip the one you are on, etc. If you don’t look QUICK ENOUGH on the scanner you might not know who was calling. On what frequency. If someone comes in NEW and doesn’t have the ICS-214 form available to edit on their computer; idea is to give them a PAPER form – but you have to get into county account, would be nice to have some of the stock forms – e.g Gordon’s “book” – people reluctant to rip pages out. Master forms to photocopy? [forms in

the radio boxes???) (There is a BOOK in the go box- we could put in some forms in it) Susan always brings forms. (Consider adding some forms) (Have some available at the EOC)

Rosemary: hopes office gets the 214 submission blocks straighten out so that we could enter the forms with less difficulty. ('they were having a problem plugging us in)

“Volunteer” step in the right direction.

EOC – nice labeler, but it needs 6 AAA batteries – does it take electricity also? (would be about 9V) – needs to be checked next time we are there.

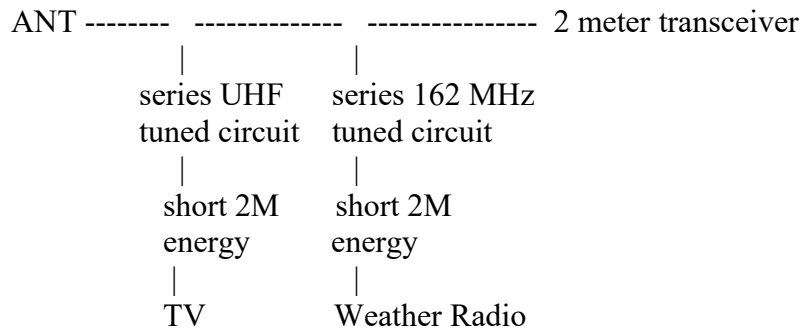
Inquire – would they be able to give read-only Monday.com access – we can't see the “boards” – like shelter totals; don't have access to the “roads boards” and other things in the Monday. There are a few things on the EOT website that we can submit there, so for the most part we don't need WRITE access; but read access would be nice. Do they want us to submit any type of data?

Weather service has a special function for NWS CHAT that allows us to connect directly to the NWS Jax – on line with media; usually they only want approved people ; have to install slack to do it; benefit is they will post things earlier than you get on formal announcements. We don't have anyone with that access right now. We have a lot of systems with just ONE person (e.g.. Everbridge, Leland)

Shelter SHOULD have weather radio going.

NEED A WEATHER Radio and alert in the EOC radio room. 1000W broadcast from Channel 5 tower (same as 82 repeater); closer to NW Gainesville the better. 162.475 MHz We might be able to put in a “can” to notch out transmitters and get that to be receivable.....or put in a LIMITER so that radio would be damaged.....

TV – Jeff worked on the TV – stole one of the antennas and adapted to F connectors and had it scanning broadcast – picked up 52 channels!! Cady and Francine were very impressed! They were jealous! (Gordon: If we can build filtering for that, we can have that work while we use the same cable for transmissions on VHF) Allows you to check that Channel 5 is working. Were able able get local affiliates, with local news coverage and were able to get several different “weather” stations.



[These series and shorting circuits can potentially be constructed by series/parallel tuned stubs with the addition of back-to-back diodes to reduce energy remaining]

Would be better to have a dedicated RECEIVE antenna broadband for TV receiver and weather radio etc etc etc.

Dave: asked Theus could we be invited to the table for the remodeling discussions..... they would like TV also, right! Would be better to be involved NOW.

Gordon: we probably want to have a report that details suggestions. Maybe we could work through Jen/David?

Jeff: confusion over exactly what Marion county requested as far as people evacuating. Reporter confusing message?

Susan: rumor that the government was controlling the weather. Statewide, nationally, etc. Governor was trying to debunk them.

-

Notifications: Cadyn has Dalton's old phone – so "Dalton" message were coming from Cadyn. Direct line in radio room useful for Net Control Line – to Kevin Rulapaugh also.

Kevin called us trying to test the ALE system – Codan radio-- he had difficulty making it work.

Susan: Hurricane Michael; Shannon knew about SLERS but no one in Bay county had any experience with SLERS. He couldn't because they had personality blocks to having that setup.

Jeff – Kevin, ALE – Kevin did not succeed getting gale to work. He was working the CODA; all of us are using ION2G which WE do know. ALE does not seem to be a realistic system in use at present.

Gordon: is it worth it for us to try and run any kind of local HF net?

Dave: if there is merit to monitoring HF, it might be useful for Reid to monitor. The efforts this time was mainly to try and keep the frequency open. Non stop roll call; reminding people frequency in use;

Susan: We have a lot of people who check into the regular 2 meter; badged, saying they are willing to do "whatever" – maybe some of those people might be willing to listen to HF; major reason for HF is to reach out to the state (SARNET gone for us) – HF easy for us to reach the state (not a net, just our ability to reach the state). Her experience in Hurricane Michael was that the HF frequency was really just rag-chew.

Jeff: figure out what is the objective; to reach the EOC? Or for us to reach the State? (via HF);

In past, when HF not working well here; we just did HF relay stations; We have never really needed to use them! Have never really lost everything. We are way down the list.

Does listening to HF provide any significant service from the EOC? Advantage that you don't need to be badged;

Eric: points out that Waldo is really jut one or two people – pretty thin support.

Gordon: GMRS radio can SCAN not only GMRS but also VHF repeater

Susan: Reiterate shelter was extremely well managed; net managed well; grateful for the weather reports (which she has been advocating for years); people in the shelter really appreciate getting good weather reports; Jeff is better than TV weather reports. More callsigns on the 205's VARA / PACKET – need to have the ~~dash-whatever~~. Generator issue at the Special Needs shelter somewhat alarming – why wasn't this discovered before?

At MLK – generator runs SOME outlets.

Table was set up well for her at MLK. Issues with submissions of 214's Previously sent to EOC and they turned it in; now we are supposed to use the web site; new way of picking “volunteer” – troublesome. Sometimes shows up and sometimes doesn't. Problems with submission; problems with submission (did get them done, but did them the old way: BOCC, communications, ESF2)

Wonder what WAYZ did? May have just turned off display of “full” shelters.
Agrees that locally HF hasn't been that useful

Rosemary: shelter clients were extremely clean and kept the whole place clean, great experience, but wonders if could put the shelters at the beginning of the roll call and do the home stations last.

(Dave called the shelters first; but in roll call, they also called out individual call signs which was probably unnecessary)

The clarification may be that we DON'T NEED to check in on our individual call signs, when we are at a shelter.

Dave: 214's and computer; whether BOCC or not – just knew that there is NO CONSISTENCY because we have received no INSTRUCTION on what to do. He put in as ESF2 – if they want volunteers, they should have instructions for us

Eric – the 214's are very low on his list.

ICS is overloaded with paperwork – goes up to FEMA – “talking their language” result is \$\$\$\$ for the local emergency management agency.

ARES efforts do NOT depend on being an ARRL member.

Manish – should we attached paper 214's with some of that guide work already done?
GOOD IDEA.

If you use the Acrobat form – has suggestions and take the popup the next go around.

Rosemary: consider putting in a SAMPLE!!! in the box.

Susan: ARRL form: Each volunteer should put in their own form if possible.

Consider having a suggestion for a 6 meter antenna.

(Jeff) Idea on RECRUITING people: With the equipment at the Senior Center – do a petition for a “new activity” – senior center lets people over 60 join right off the bat – and start a senior center radio club! Table or desk that could lock, with equipment right there. Make that ham radio station more familiar on a daily basis. Could do daytime classes there. Currently no membership fee. Barry thinks he might have paid \$5. Might have been funded with the penny taxes.

Jeff: emergency management staff had golf shirts with their name on them and the logo ; we don't have any standard “uniform” for us; dark navy blue shirt? Is there interest in having a shirt for our group? (either ARRL or custom?) Rosemary: price important; Jeff: or have contributions; suggestion for Jeff to come up with photos and prices

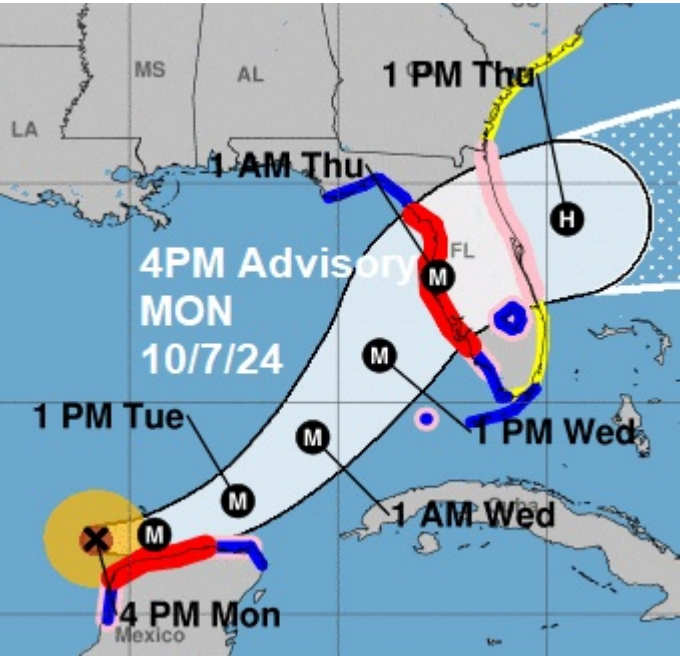
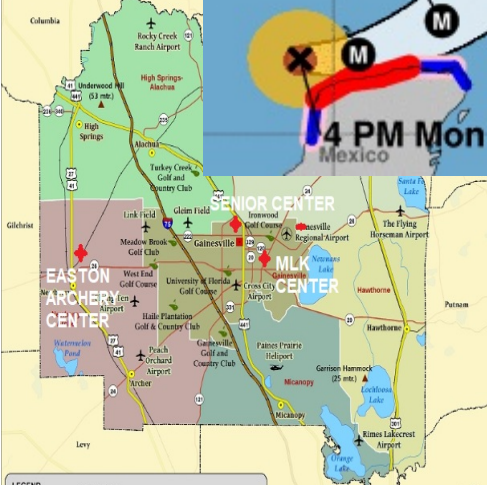
AUXCOMM recommends street shirt; (But this doesn't so much matter in our local group because they know us already) Jeff – people show up with their GRU or Clay or police uniform; There are not an AUXCOMM shirt anyway; they used to have CERT shirts; Rosemary points out shirts would be great at events like the Veteran's day; Important to have ALACHUA COUNTY on the shirt.

APPENDIX C

SELECTED PORTIONS OF INITIAL DEPLOYMENT INCIDENT ACTION PLAN, ARES(R) VOLUNTEERS

(BEGINS NEXT PAGE)

INCIDENT BRIEFING (ICS 201) (FOR ARES (R))

| | | |
|--|---|---|
| 1. Incident Name: HURRICANE MILTON | 2. Incident Number: 2024-3 | 3. Date/Time Initiated: Date: 10/9 Time: 1100 LOC |
| <p>4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment):</p> | | |
| <p>SHELTERS (now public)</p> <p>EAST: MLK Center (Staff beginning 11AM Wednesday) 1028 NE 14th Street Gainesville, FL 32601</p> <p>WEST: Easton Archery (Staff beginning 11 AM Wednesday) (accessed from US 27-41 aka SR45) 24880 NW 16th Avenue Newberry, FL 32669</p> <p>SPECIAL NEEDS Senior Recreation Center 5701 NW 34th Blvd. Gainesville, FL 32653 Staff beginning 11AMWed</p> <p>EOC: Radio Crew arriving Wed 9 AM or before</p> |  |  |
| <p>5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.</p> <ul style="list-style-type: none"> • HURRICANE MILTON approaching west coast of Florida • Extremely dangerous, large Cat 5 Hurricane hopefully weakening before landfall • Names of Shelters to be released when opening (Tuesday Noon) • Most likely arrival of Tropical Storm winds to our area just AFTER Wednesday 8PM. They may be earlier of course! | | |
| <p>6. Prepared by: Name: G. Gibby _____ Position/Title: Vol _____ Signature: _____</p> | | |

| | | |
|--|--------------------------------------|---|
| 1. Incident Name: HURRICANE MILTON | 2. Incident Number: 2024-3 | 3. Date/Time Initiated: Date: 10/9 Time: 1100 LOC |
| ICS 201, Page 1 | | Date/Time: Monday 10/8 0300 LOC |

INCIDENT BRIEFING (ICS 201) (FOR ARES (R))

| | | |
|--|--|---|
| 1. Incident Name: Hurricane Milton | 2. Incident Number: 2024-3 | 3. Date/Time Initiated: Date: 10/9 Time: 11AM LOC |
| 7. Current and Planned Objectives: | | |
| <ol style="list-style-type: none"> 1. Safety of volunteers and community 2. Property safety 3. Backup communications 4. Practice communications protocols including Field Situation Report 5. Test 6 meter SSB if possible 6. Everyone deployed successfully submit signed ICS-214's | | |
| 8. Current and Planned Actions, Strategies, and Tactics: (ALL TIMES ARE LOCAL) | | |
| Time: | Actions: | |
| TUE 7PM | Alachua County ARES(R) Meeting / NFARC @ Gibby Household / Final Planning | |
| WED 10/9 0900 | Start of amateur radio support at EOC - Morning, by 9AM | |
| 1100 | <ol style="list-style-type: none"> 1. Start of amateur radio support at SHELTERS 2. Please program in, or use VFO to reach UHF repeater KC4NWK 444.5875 MHZ, +5MHz Offset; 123 Tone and report when completed at next Command Net. 3. Prepare SIGNED ICS-214 .docx or .pdf files for use for reporting actions. | |
| 12Noon | Command NET START; nets as appropriate every 1-3 hours; monitor frequency between | |
| >1 PM | Hold trial UHF NET TEST on KC4NWK repeater 444.5875 MHz + 5MHz offset, 123 tone when all stations ready for test. | |
| 7 PM LOC | File first operational period ICS-214: https://alachuacounty.us/Depts/EM/Pages/eot.aspx | |
| 8 PM LOC | Alachua County HF NET START-; please call net hourly until Quiet Time | |
| 10PM | Quiet Time -- please leave radios ON to hear any emergency requests | |
| >10PM | Expect Milton Passage in the NIGHT -- be prepared for power outage | |
| >10PM | Please re-activate net yourself if significant change in your shelter situation (e.g. power outage, damage, etc) | |
| THU 10/10 6AM | Please take status of your shelter: occupancy, damage; weather; power | |
| 0700 | <ol style="list-style-type: none"> 1. Alachua County VHF NET; repeat at 1-3 hour intervals as appears appropriate; please monitor frequency between, for requests for assistance. 2. File second operational period ICS-214: https://alachuacounty.us/Depts/EM/Pages/eot.aspx | |

| | | | | | |
|--|--|--------------------------------------|----------------------------|---|--|
| 1. Incident Name: Hurricane Milton | | 2. Incident Number: 2024-3 | | 3. Date/Time Initiated: Date: 10/9 Time: 11AM LOC | |
| > 0700 | 1. Please keep VHF frequency monitored between formal nets for requests for assistance 2. Alachua County HF NET; please keep frequency monitored and occasionally occupied for potential checkins or requests for assistance | | | | |
| 7 PM | File third operational period ICS-214: https://alachuacounty.us/Depts/EM/Pages/eot.aspx | | | | |
| | Further instructions to follow in later IAP Update | | | | |
| 6. Prepared by: Name: G. Gibby _____ Position/Title: Vol _____ Signature: _____ | | | | | |
| ICS 201, Page 2 | | | Date/Time: 10/8 0300 _____ | | |

INCIDENT BRIEFING (ICS 201) (FOR ARES (R))

| | | |
|--|--------------------------------------|---|
| 1. Incident Name: Hurricane Milton | 2. Incident Number: 2024-3 | 3. Date/Time Initiated: Date: 10/9 Time: 1100 LOC |
|--|--------------------------------------|---|

9. Current Organization (fill in additional organization as appropriate)

Distributed organization

Net control stations work to stay in communication with opposite net, please.

| Location / Effort | Personnel | Comment |
|-------------------|-----------|---|
| EOC staffing | | Tag Team as needed |
| VHF Net | | trade-off as needed |
| HF Net | | Please forward reports to VHF net |
| Senior Center | | May need relief at some point |
| MLK | | trade-off as needed |
| Easton Newberry | | May need relief at some point |
| @Home volunteers | | Managing local comms systems, helper stations, etc. |

6. Prepared by: Name: G. Gibby _____ Position/Title: Vol _____ Signature: _____

ICS 201, Page 3 | Date/Time: 10/8 0300 _____

INCIDENT BRIEFING (ICS 201) (FOR ARES (R))

| 1. Incident Name: Hurricane Milton | | 2. Incident Number: 2024-3 | | 3. Date/Time Initiated: Date:10/9 Time: 1100 | |
|--|---------------------|--------------------------------------|--------------------------------|--|---|
| 10. Resource Summary: | | | | | |
| Resource | Resource Identifier | Date/Time Ordered | ETA | Arrived | Notes (location/assignment/status) |
| SHELTER BOXES | Radio | | | <input type="checkbox"/> | To be delivered by shelter runners on WEDNESDAY |
| BATTERY | | | | <input type="checkbox"/> | Bring one of your own if possible. Eric/Gordon will have 3 at TUE MTG |
| Digital wiring | | | | <input type="checkbox"/> | Should already be in boxes 1-10 |
| Computer | | | | <input type="checkbox"/> | BRING YOURS. Two loaner computers available at EOC |
| Signalink | | | | <input type="checkbox"/> | BRING YOURS. Two loaners available at EOC |
| Consider antenna for 6M / VHF SSB | | | | <input type="checkbox"/> | OPTIONAL |
| SEE APPENDIX FOR PERSONAL SUGGESTIONS | | | | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | |
| | | | | <input type="checkbox"/> | |
| 6. Prepared by: Name: G. Gibby _____ Position/Title: Vol _____ Signature: _____ | | | | | |
| ICS 201, Page 4 | | | Date/Time: 10/8 0300 LOC _____ | | |

INCIDENT RADIO COMMUNICATIONS PLAN ICS-205

| INCIDENT RADIO COMMUNICATIONS PLAN (ICS-205) | | | | | | | | | | |
|---|------|---------------------|--|------------|-----------------|--------------|---|--------------|-------------------|---|
| 1. Incident Name: Hurricane Milton | | | 2. Date/Time Prepared: Date: 10/9/2024 Time: 0300 | | | | 3. Operational Period Date From: 10/9 Date To: 10/11 Time From: 1100 Time To: 1700 | | | |
| 4. Basic Radio Channel Use: | | | | | | | | | | |
| Zone Grp. | Ch # | Function | Channel Name / Trunked Radio System Talkgroup | Assignment | RX Freq. N or W | RX TONE /NAC | TX FREQ N or W | TX TONE /NAC | MODE (A, D, or M) | Remarks |
| | | Command | Local Net | Ham | 146.820 | 123 | 146.220 | 123 | | <u>Primary</u> local command net; simplex if repeater down (WUFT Tower) |
| | | Command | Local Net | Ham | 146.985 | 123 | 146.385 | 123 | A | <u>Secondary</u> local command net(WUFT Tower) |
| | | Command | Local Net | Ham | 146.910 | 123 | 146.310 | 123 | A | <u>Tertiary</u> local command net (UF) |
| | | Command | Local Net | Ham | 444.5875 | 123 | 449.5875 | 123 | A | <u>Quaternary</u> local command net (WCJB tower, 500 feet) |
| | | Command | Local Simplex | Ham | 146.550 | | 146.550 | N/A | A | <u>SIMPLEX</u> if repeaters not sufficient |
| | | Command | Local Net | Ham | 3.970 LSB | N/A | 3.970 LSB | N/A | A | EMP: Primary comms in extreme comms event / EMP for direction |
| | | TRIAL ALTERNATE | Local Simplex | HAM | 50.135 | | 50.135 | | A | USB VHF 6 meter |
| | | Public | GMRS 15/23 | Public | 462.550 | 141.3 | 467.550 | 141.3 | | County-wide GMRS |
| | | Logistics (VARA-FM) | GNV-VARA | Ham | 144.990 FM/W | N/A | 144.990 FM/W | N/A | D | Growing VARA-FM communications possibilities Note Digipeater NF4RC-7 Expect EOC to operate P2P Winlink NF4AC VARA-FM |
| | | Logistics Packet | GNV-PKT | Ham | 145.070 FM/W | N/A | 145.070 FM/W | N/A | D | Local Winlink packet servers / digipeaters Primarily K4ZSW-10 New: KC4WNK-10 |
| STATEWIDE | | | | | | | | | | |
| | | Notification | SARNET | Ham | 444.925 | 123 | 449.925 | 123 | A | Gainesville Local connection. |

| | | | | | | | | | | |
|---|--|---------|---------------|-----------------|--------------|--|--------------|--|---|--|
| | | | | | | | | | | EQUIPMENT INOPERATIVE |
| - | | Command | AUXCOMM HF | Pri Evening | 3.940 LSB | | 3.940 LSB | | A | Statewide Emergency Net 2000 ET - 0900 ET |
| | | Command | AUXCOMM HF | Sec Evening | 3.950 LSB | | 3.950 LSB | | | Statewide Emergency Net 2000 ET - 0900 ET |
| | | Command | AUXCOMM HF | Pri Daytime | 7.197 LSB | | 7.197 LSB | | A | Statewide Emergency Net 0900-2000 ET |
| | | Command | AUXCOMM HF | Sec Daytime | 7.247 LSB | | 7.247 LSB | | A | Statewide Emergency Net 0900-2000 ET |
| | | Command | AUXCOMM HF | Tert Daytime | 7.242 LSB | | 7.272 LSB | | A | Statewide Emergency Net 0900-2000ET |
| | | SLERS | SLERS | Govt | | | | | A | Statewide FDEM comms |
| | | SHARES | | | Unpub USB | | Unpub USB | | A | Expect coded channel names to be made available |
| | | | | | | | | | | |
| | | | | | | | | | | |

5. Special Instructions

BASIC CONNECTIONS

6. Prepared By (Communications Unit Leader) Name **G. Gibby** Signature

ICS 205 **IAP PAGE** **Date / Time 10/8 0300**

ICS-205A

| | | |
|--|---|---|
| 1. Incident Name: | 2. DATE / TIME PREPARED: Date: Time: | 3. OPERATIONAL PERIOD Date From: Time From: Date TO: Time TO: |
| 3. Basic Local Communications Information: | | |
| Incident Assigned Position | Name (Alphabetized) | Method(s) of Contact (phone, pager, cell, etc.) |
| AUXCOMM Coordinator | David Byrum - KA4EBX | Email: dbyrum@tampabay.rr.com CELL: 727 297 5936 |
| Alachua County Emergency Operations Center Backup Radio Room | | Amateur Call: NF4AC SHARES Call: NCS181 |
| ESF#2 Lead | | |
| State FDEM | | NNA4FL@WINLINK.ORG (Avoid contact unless absolutely necessary.) ALE: NNA4AI ((corrected)) (via ION2G) (Avoid contact unless absolutely necessary) Amateur: KA4EOC |
| Columbia EC | Brad Swartz N5CBP | 940 390 7716 |
| Columbia County EOC | | Winlink NF4CA SHARES: NNA4BP |
| Dixie EC | Gary Poore WW4GP | 352 498 1327 |
| Florida Amateur Radio Liaison | Arc Thames - W4CPD / NNB4F | Email: srares@santarosa.fl.gov CELL: 850 889 3767-- |
| Gilchrist EC | Fred Lewis KO4YOL | 352 214 6557 |
| Gilchrist EOC | | NF4EC |
| 4. Prepared by: Name: _____ | | |
| tion/Title: _____ Updated with information from Arc Thames | | |
| Signature: _____ | | |
| ICS 205A | IAP Page _____ | Date/Time: 10/6/2024 _____ |

NOTE: The ICS205A was inadvertently left out of the original publication.

APPENDIX 1: SUGGESTIONS FOR SHELTER DEPLOYMENT

1. Bring something **SOFT** to sleep on, because at best you will have a carpeted floor
2. Bring your **PILLOW** to be more comfortable
3. Shelters can get **COLD**, so bring jacket/coat/blanket(s) to stay comfortable
4. Bring a **FLASHLIGHT** because their generator may be balky
5. Bring snacks and any comfort refreshments - they may have food but it may be "Spartan" and the drink machine may empty quickly. Things that you can eat "right out of the can" our bag, and a plastic utensil or two would be very wise. Don't make a mess in your room.
6. Consider eye-shade and/or earplugs if you have difficulty sleeping. Some of the "light switches" are motion activated and will turn back **ON** when you toss and turn at night.
7. **PHOTO** of the room you will work in before you start -- so you can put **EVERYTHING BACK THE WAY IT WAS**. Please be considerate of the people whose office you are using.
8. Pens, etc. You're going to need to do paperwork
9. Paper and especially ICS-214 forms so the County gets \$\$\$\$ from your work.
10. Pre-signed word-processor ICS-214 would be really, really smart.
11. Your computer and power supply, and your Signalink if you have one
12. Your phone and **CHARGER**
13. A few **RG8x** or other **COAX JUMPERS**. A barrel connector would be very smart.
14. Your own Lifepo4 battery would be smart
15. **GET TO KNOW THE SHELTER WORKERS** -- Introduce yourself and go sit with them some. Offer to help in any way you can. Be friendly!!
16. **BE NEAT. BE CONSIDERATE. BE FRIENDLY.**

APPENDIX 2: ICS-214 INFORMATION

<https://alachuacounty.us/Depts/EM/Pages/eot.aspx>

Go there — see the **links** on the page. One of them gives you the ability to create an ICS-214— If you **DON'T** have a signed copy of your own you probably want to use that, fill it in, and **SAVE** on your computer for manual signing later after you print it.... When you have a signed, PDF, Then use the other link that allows you to **SUBMIT** — you fill out a bit of meta-data (see instructions below) and then upload the form you had saved. This should make it pretty easy, OK?

SIGNED COPY: You will need if possible to use the **WORD** or **ODT** form that is created with your **SIGNATURE** bitmap already in there. We made these last year, but **EARL MC-DOW** may be able to help you if you can email him a cell-phone-photo of your signature.

ICS-214's are uploaded to correspond with OPERATIONAL PERIODS — running from 7AM to 7PM. So make yours fit that, ok?

INSTRUCTIONS: When you click the filing link, you will have to fill in several boxes: (1) Your NAME; (2) your EMAIL ADDRESS; (3) the DATE you are actually filling in the links; (4) Employing Agency (Board of County Commissioners); (5) Incident (they will have this set for the current incident) ; (6) Incident Role — select ESF2; (7) Operational period – pick the correct 7-to-7 period for the report you are submitting; (8) Hours worked – put the number of hours you were involved (not including sleeping). Then use the “upload” area to upload a PDF of your ICS-214; select YES on the part where it asks if you have signed it, and then select SUBMIT. That should take care of it!

APPENDIX 3: SHELTER RADIO CHEATSHEET

Basic Manual: <https://www.qsl.net/nf4rc/Tech/ID-4100A-Instruction-Manual-04-26-2017.pdf>

Advanced Manual: [https://www.qsl.net/n/nf4rc/Tech/ICOM4100advanced-manual%20\(1\).pdf](https://www.qsl.net/n/nf4rc/Tech/ICOM4100advanced-manual%20(1).pdf)



| MAJOR BUTTONS AND KNOBS | |
|-------------------------|------------------------------------|
| MENU(upper L) | Quick Menu (VERY USEFUL) |
| VFO/MEM (V/M) | Squelch KNOB |
| MODE | Volume KNOB |
| M/W (memory write) | |
| RS--> Callsign capture | |
| MON | |

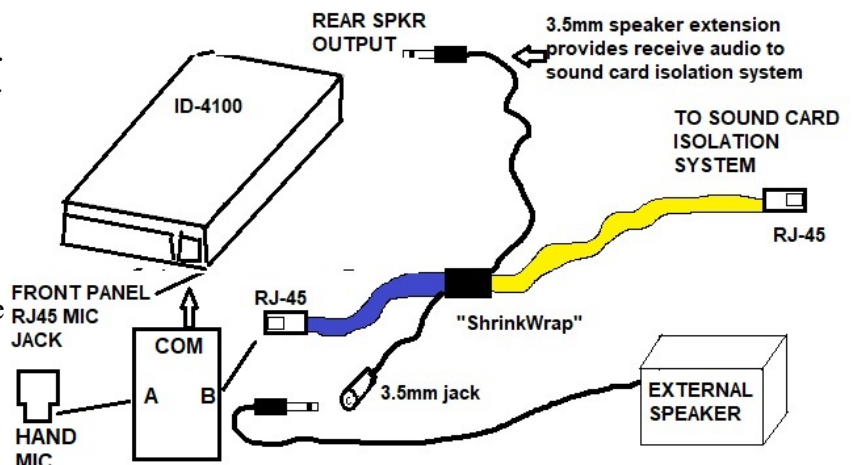
QUICK MENU ITEMS:

- Band Select (if in VFO mode)
- Power Level Select
- DUP (duplexer) select
- TONE select

If you need to change the tone frequency (uncommon) you will need to use the (main) MENU button, upper left For almost all of our usages, a memory channel or a VFO frequency with adjustments via the Quick Menu will suffice.

ADDING DATA OPTION:

- "A/B" Switch (white box) allows selection of microphone or our data interconnection system.
- Connect the common port to the ID-4100 Mic jack (using RJ45 patch cable)
- Connect one port ("A") to the hand-mic. Connect the other to the blue/yellow cable as below:
- Special blue/yellow cable that connects ID-4000, its speaker output, a Signalink, and an external speaker to allow DATA comms
- Then easily choose between MIC (voice operation) or DATA (our interconnection to your Signalink)



We do not have computers or Signalinks for the go-boxes. Use your own, with the jumpers set for our standard "Alachua County" settings.

WE HAVE TWO LOANER SETUPS WITH SIGNALINK/COMPUTER AT EOC

APPENDIX: SUGGESTIONS FOR SHELTER DEPLOYMENT

1. Bring something **SOFT** to sleep on, because at best you will have a carpeted floor
2. Bring your **PILLOW** to be more comfortable
3. Shelters can get **COLD**, so bring jacket/coat/blanket(s) to stay comfortable
4. Bring a **FLASHLIGHT** because their generator may be balky
5. Bring snacks and any comfort refreshments - they may have food but it may be "Spartan" and the drink machine may empty quickly. Things that you can eat "right out of the can" our bag, and a plastic utensil or two would be very wise. Don't make a mess in your room.
6. Consider eye-shade and/or earplugs if you have difficulty sleeping. Some of the "light switches" are motion activated and will turn back **ON** when you toss and turn at night.
7. **PHOTO** of the room you will work in before you start -- so you can put **EVERYTHING BACK THE WAY IT WAS**. Please be considerate of the people whose office you are using.
8. Pens, etc. You're going to need to do paperwork
9. Paper and especially ICS-214 forms so the County gets \$\$\$\$ from your work.
10. Pre-signed word-processor ICS-214 would be really, really smart.
11. Your computer and power supply, and your Signalink if you have one
12. Your phone and **CHARGER**
13. A few **RG8x** or other **COAX JUMPERS**. A barrel connector would be very smart.
14. Your own Lifepo4 battery would be smart
15. **GET TO KNOW THE SHELTER WORKERS** -- Introduce yourself and go sit with them some. Offer to help in any way you can. Be friendly!!
16. **BE NEAT. BE CONSIDERATE. BE FRIENDLY.**

APPENDIX D

ESTIMATES OF MATCHING DEVELOPED BY ARES(R) SERVICE

| # | Incident | Deployed Hours | Estimated Reimbursement |
|---|------------------------------------|--------------------|-------------------------|
| 1 | 2022 Hurricane Nicole ⁸ | 72 deployed hours | \$ 8,640 |
| 2 | 2023 Hurricane Idalia | 41 deployed hours | \$ 6,500 |
| 3 | 2024 Hurricane Debby | 165 deployed hours | \$24,000 |
| 4 | 2024 Hurricane Helene ⁹ | 178 deployed hours | \$28,480 |
| 5 | 2024 Hurricane Milton | 138 deployed hours | \$22,080 |
| | | | |
| | | | |
| | TOTAL ESTIMATE | 456 deployed hours | \$89,700 |

8 Nicole: we had two shelters plus the EOC covered by deployed volunteers from 4 PM Wednesday Nov 9 2022 through at least 4 PM Thursday Nov 10, 2022 for 72 hours of deployed service @ \$15/hour 8:1 = \$8,640

9 Including corrections provided by Jeff Capehart.

APPENDIX E

NET RECORDS

| <u>CALL</u> | <u>PRE</u> | <u>SUFEX</u> | <u>NAME</u> | <u>CITY</u> | <u>12:00</u> | <u>14:00 444.5875</u> | <u>16:00</u> | <u>18:00</u> | <u>20:00</u> | <u>22:00</u> | <u>10/10/24 8:00</u> |
|-------------|------------|--------------|--------------|---------------|--------------|---------------------------|--------------|--------------|--------------|--------------|----------------------|
| N4AC | N4 | AC | | | N | | | | | | |
| W9ALI | W9 | ALI | Alice | Newberry | | | | | | | |
| KI4ALR | KI4 | ALR | Tim | Morrison | | | N | | | | |
| WA4AMY | WA4 | AMY | Amy | Trenton | | | | | | | |
| K1AOS | K1 | AOS | Alexis | High Springs | | N | | | | | |
| W5APO | W5 | APO | Bob | Gainesville | | | | | | | |
| N4AYS | N4 | AYS | Randy | Gainesville | | | N | N | N | | |
| KK6BS | KK6 | BS | Joe | Gainesville | N | | N | N | N | N | N |
| AC4BW | AC4 | BW | Butch | Cross Creek | N | | | | N | N | N |
| KQ4BWH | KQ4 | BWH | Brian | Gainesville | | N | | | | | |
| K1CE | K1 | CE | Rick Palm | Ft White | | | | | | | |
| KD4DRP | KD4 | DRP | David | | N | N | N | | N | | |
| KN4EDG | KN4 | EDG | Mat | Gainesville | | | N | | | | |
| NK3F | NK3 | F | Tom | Gainesville | | | N | N | N | N | N |
| WB2FKO | WB2 | FKO | Michael | High Springs | N | | | N | | | |
| KO4GGZ | KO4 | GGZ | Dave | Archer | | | N | N | | | |
| W4GHP | W4 | GHP | Pete | Gainesville | | | N | N | N | | N |
| W4GJ | W4 | GJ | Bob Lightner | Gainesville | NTS | N | NYS | NTS | NTS | | NTS |
| K4GNV | K4 | GNV | GARS | Waldo EOC | | | | | | | Shannon |
| KQ4ICI | KQ4 | ICI | | | | | | | | | |
| KN4IIM | KN4 | IIM | Hugh | Gainesville | | N | N | N | N | N | N |
| KK4INZ | KK4 | INZ | Craig | Gainesville | | | | | N | | |
| WA4ITH | WA4 | ITH | Steve | Alachua | | | | | | | |
| KQ4JBR | KQ4 | JBR | Karen | Gainesville | | N | N | N | N | N | N |
| WA4JD | WA4 | JD | Allan | Gainesville | | | | | | | |
| W4JIR | W4 | JIR | David | Newberry | NC | | NC | NC | NC | NC | NC |
| KA4JMC | KA4 | JMC | John | Gainesville | | N | | N | | N | |
| KZ4JN | KZ4 | JN | Anders | Key Stone Hts | | | N | | N | N | N |
| KM4JTE | KM4 | JTE | John Troupe | Gainesville | | | | | | | |
| KB3JU | KB3 | JU | Bill M. | Gainesville | | N | | | | | |
| KZ4KC | KZ4 | KC | Manish | Gainesville | | | | | | | |
| KK4KRZ | KK4 | KRZ | Mike | Gainesville | | | N | N | | | |
| NH2KW | NH2 | KW | Brett W. | Alachua | N | | N | N | | N | N |

| | | | | | | | | | | | |
|--------|-----|-----|--------------|------------------|---|---|---|---|---|---|---|
| KO4LBS | KO4 | LBS | Lorilyn | Gainesville | N | | N | N | N | N | |
| N4LTS | N4 | LTS | Ray | Gainesville | N | | N | N | N | N | |
| KK4MAC | KK4 | MAC | Mac | Newberry | | | | | | | |
| KD4MG | KD4 | MG | Robert | Gainesville | | | | | | | N |
| KD4MGR | KD4 | MGR | | | | | | | | N | |
| KC4MHH | KC4 | MHH | Jim Carr | Gainesville | | | N | | | | |
| KQ4MLY | KQ4 | MLY | | | | | | | | N | |
| KA1NNR | KA1 | NNR | Ken | Gainesville | | N | N | N | N | N | N |
| K4NVI | K4 | NVI | | * | | | | | | | |
| KC4NWK | KC4 | NWK | Jon Simonds | Gainesville | N | N | N | | N | N | N |
| W4NZR | W4 | NZR | Jim | Lake City | | | | | | | |
| K4OTF | K4 | OTF | Mark | Gainesville | | N | N | N | N | N | N |
| KI4OXD | KI4 | OXD | Earl Sloan | Hawthorne | N | N | N | N | N | N | N |
| KN3PAT | KN3 | PAT | George | Earleton | | | | | | | |
| K9PDL | K9 | PDL | Susan T. | Gainesville | N | | | | | | |
| KI4QBZ | KI4 | QBZ | Rosemary | Gainesville | N | | N | | N | N | N |
| KQ4QET | KQ4 | QET | John | High Springs | | | N | | N | | |
| KD0QIX | KD0 | QIX | Barry | Gainesville | N | N | N | N | N | N | N |
| AC4QS | AC4 | QS | Vann | Gainesville | | | | | | | |
| K4QTF | K4 | QTF | | | N | | | | | | |
| KQ4QZT | KQ4 | QZT | David | Alachua | | N | | | N | | N |
| K9RFT | K9 | RFT | Reid | Melrose | N | N | N | N | N | N | N |
| KV4RL | KV4 | RL | Dean | Gainesville | N | N | N | N | N | N | N |
| KK4RTA | KK4 | RTA | Sam | Windsor | | | N | N | N | N | N |
| WB2SVB | WB2 | SVB | Larry | Gainesville | | N | | | | | |
| KE7TOU | KE7 | TOU | Justin | Gainesville | N | N | N | N | N | N | |
| KQ4TWJ | KQ4 | TWJ | Pete | Gainesville | N | | N | N | N | N | |
| KO4TWZ | KO4 | TWZ | Barbara | | | | | | | | |
| W4UFL | W4 | UFL | Jeff | Gainesville | | | N | | N | N | N |
| KF4ULO | KF4 | ULO | Ken | Gainesville | N | | N | N | N | N | N |
| AJ4VD | AJ4 | VD | Scott Harden | Gainesville | | | N | N | N | N | |
| AC4VW | AC4 | VW | | | | | | N | | | |
| KG4VWI | KG4 | VWI | Susan H. | Archer | N | | N | N | N | N | N |
| N4WMS | N4 | WMS | Ken | Keystone Heights | | | | | | | N |
| KO4WOG | KO4 | WOG | Bill | Lake City | | | | | | | |
| KF4WQJ | KF4 | WQJ | John D. | Hawthorne | | | | | | | |
| AA3YB | AA3 | YB | Leland | Newberry | | | | | | | |
| KX4Z | KX4 | Z | Gordon | Newberry | N | | N | N | N | N | N |
| KO4ZRZ | KO4 | ZRZ | Craig | Gainesville | N | N | N | N | N | N | N |
| KO4ZSD | KO4 | ZSD | Eric | Gainesville | N | | N | N | N | N | N |
| K4ZSW | K4 | ZSW | Earl McDow | Gainesville | N | N | N | N | N | N | N |
| KN4ZUJ | KN4 | ZUJ | Ron | Alachua | N | | N | N | N | | N |

| | | | | | | | | | | | |
|--------|-----|-----|------|--------------|----|----|----|----|----|----|----|
| WA8ZYT | WA8 | ZYT | Mike | High Springs | | | | N | | | |
| 70 | | | | | 27 | 20 | 39 | 34 | 36 | 32 | 31 |