



A discussion with Williamson County Amateur Radio Emergency Service

Jim Snyder, AJ4NO, TN SECTION EMERGENCY COORDINATOR

19DEC2020

IF YOU RECOGNIZE THESE PEOPLE, I MUST BE IN THE RIGHT PLACE



FIRST IMPRESSIONS MATTER



FIRST IMPRESSIONS MATTER



WHAT BAND YOU GONNA USE??
I can talk to the moon on these things.....

TN ARES UPDATE

19DEC2020

- ORGANIZATION
- PERSPECTIVES
- FUTURES
- SUMMARY
- QUESTIONS

ORGANIZATION

- TN Section Manager
David Thomas, K4NYI
- Section Emergency Coordinator
Jim Snyder, AJ4NO
- Assistant Section Emergency Coordinators:
 - West Tennessee
Steve Kellett, KF4SJU
 - Middle Tennessee
Jeffrey W. "Jeff" Standifer WB5WAJ
 - East Tennessee
Father Rafael Ortiz, W4RAO
 - Public Safety Liaisons
Bill Farnham, KI4FZT (East TN)
David E. Wolfe, WA4VVX (Middle TN)
 - ASEC - Administration
Rebecca Byers, K4BEC

ORGANIZATION

- 95 counties in TN
- 92 with ARES presence
 - Sequatchie, Wayne, White
- 15 (18) EC vacancies
- All other positions filled

ORGANIZATION

| WEST TENNESSEE | | | MIDDLE TENNESSEE | | | | | EAST TENNESSEE | | |
|----------------|------------|------------|------------------|------------|------------|-------------|-------------|----------------|------------|------------|
| District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 10 | District 11 | District 7 | District 8 | District 9 |
| Crockett | Benton | Chester | Cannon | Bedford | Clay | Giles | Cheatham | Bledsoe | Anderson | Carter |
| Fayette | Carroll | Decatur | Davidson | Coffee | Cumberland | Hickman | Dickson | Bradley | Blount | Cocke |
| Haywood | Dyer | Hardeman | Rutherford | Franklin | Dekalb | Lawrence | Houston | Hamilton | Campbell | Grainger |
| Lauderdale | Gibson | Hardin | Sumner | Grundy | Fentress | Lewis | Humphreys | Marion | Claiborne | Greene |
| Shelby | Henry | Henderson | Trousdale | Lincoln | Jackson | Maury | Montgomery | McMinn | Jefferson | Hamblen |
| Tipton | Lake | Madison | Williamson | Marshall | Macon | Perry | Robertson | Meigs | Knox | Hancock |
| | Obion | McNairy | Wilson | Moore | Overton | | Stewart | Monroe | Loudon | Hawkins |
| | weakley | | | | Pickett | | | Polk | Morgan | Johnson |
| | | | | | Putnam | | | Rhea | Roane | Sullivan |
| | | | | | Smith | | | | Scott | Unicoi |
| | | | | | Van Buren | | | | Sevier | Washington |
| | | | | | Warren | | | | Union | |

CONNECT

Rebecca Byers, ASEC-Administration

- Scheduling, time keeping and reporting system
- Installation initiated 2017/2018, TN 2020
- Beta installations in Utah, Ohio, Pennsylvania
- Flexibility for local application
- Groups may use previous systems or CONNECT for reporting, scheduling and communications
- New ARRL Emergency Manager, Paul Gilbert, KE5ZW will make recommendation to keep or replace



UPDATE: CONNECT to be phased out in June 2020.

Guiding Principle

- BE AN EXCELLENT STEWARD OF VOLUNTEER INVESTMENTS:

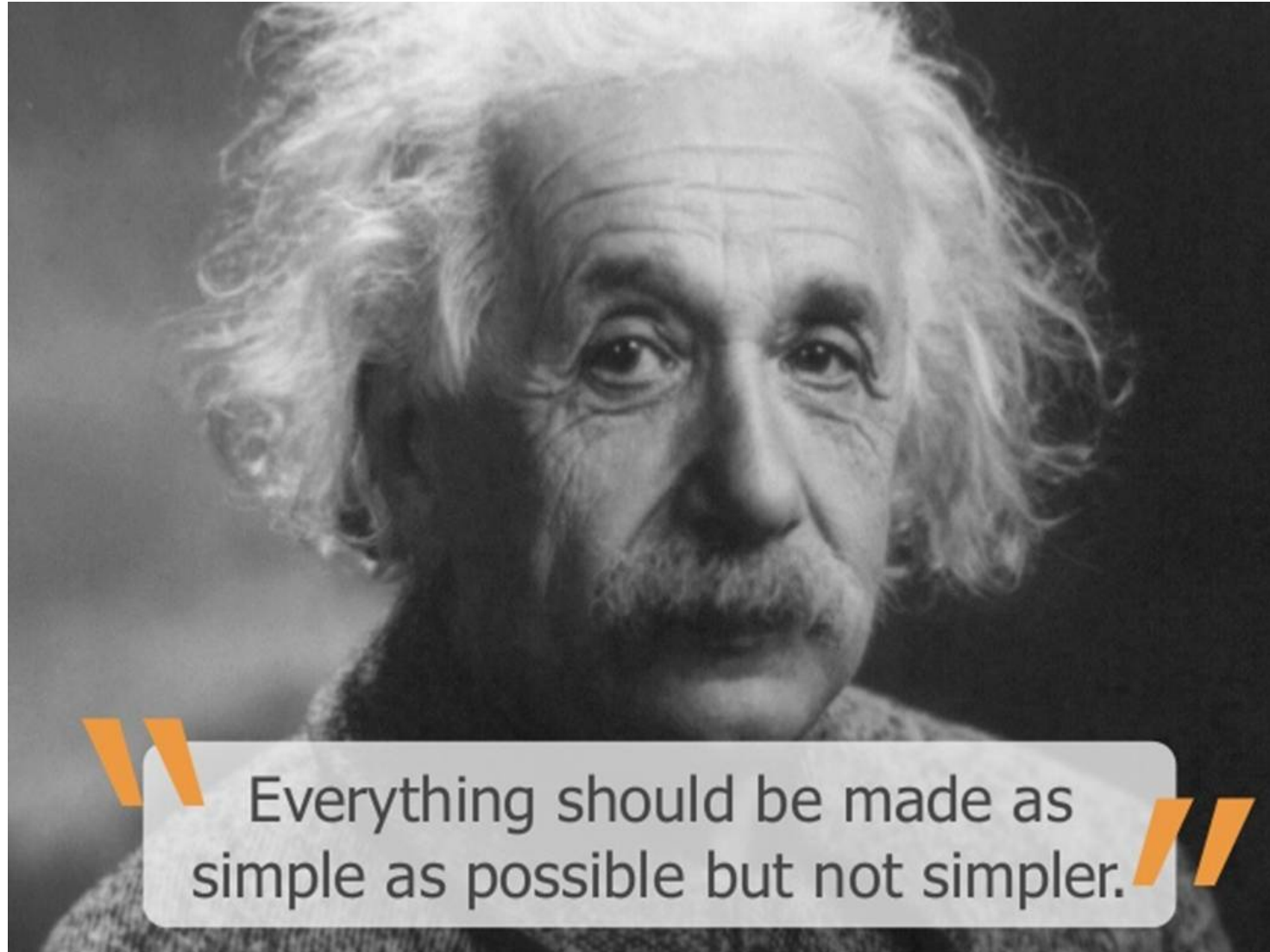
1. TIME



2. MONEY
(Resource)



GUIDING PRINCIPLE



PERSPECTIVE

- AMATEUR RADIO: the five principles
 - Providing **emergency communications**
 - Advancement of the radio art
 - Improvement of communication and technical skills
 - Increasing the number of trained operators and electronics experts
 - Enhancement of international goodwill

ARES: Who are we really?

§97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, **particularly with respect to providing emergency communications.**
- (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.
- (c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.
- (d) Expansion of the existing reservoir within the amateur radio service of **trained operators**, technicians, and electronics experts.
- (e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

PERSPECTIVE ARES DEFINED

AMATEUR RADIO EMERGENCY SERVICE

- Amateur- Catch 22.
 - No remuneration for service
 - Must act professionally at all times
 - Liability coverage? What is our/your exposure?
- Radio
 - What we use. Equipment and spectrum.
- Emergency
 - A sudden, urgent, usually **unexpected occurrence or occasion requiring immediate action**. a state, especially of need for help or relief, created by some unexpected event: a weather emergency
- Service
 - We are not in charge
 - That's why AHJs are the served agencies

ARES IS JUST ONE OF THE MANY ACTIVITIES OF THE ARRL

PERSPECTIVE



GAME
CHANGER



shifthappens

ARES MISSION



If you don't know
where you are going,
any road will get you
there.

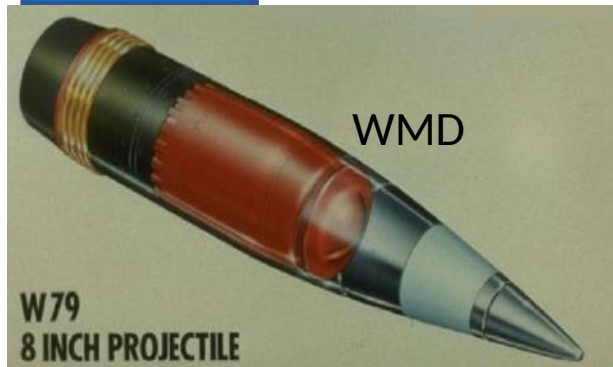
Lewis Carroll

EMERGENCIES ARE EVOLVING

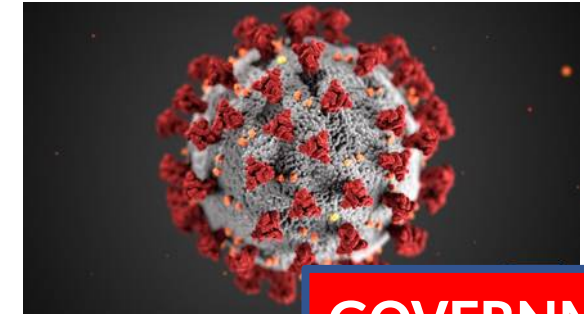
THEN:



GOVERNMENT
REGULATIONS



NOW:



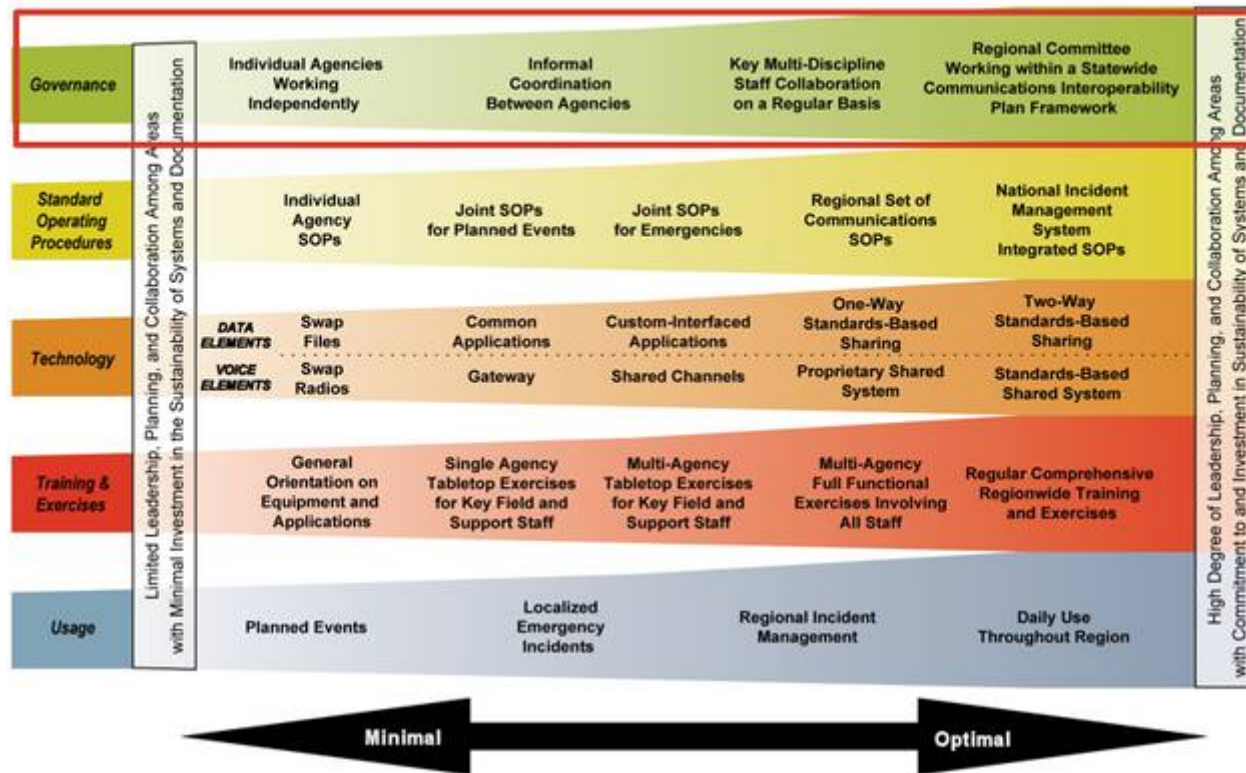
GOVERNMENT
REGULATIONS



ROAD SIGNS

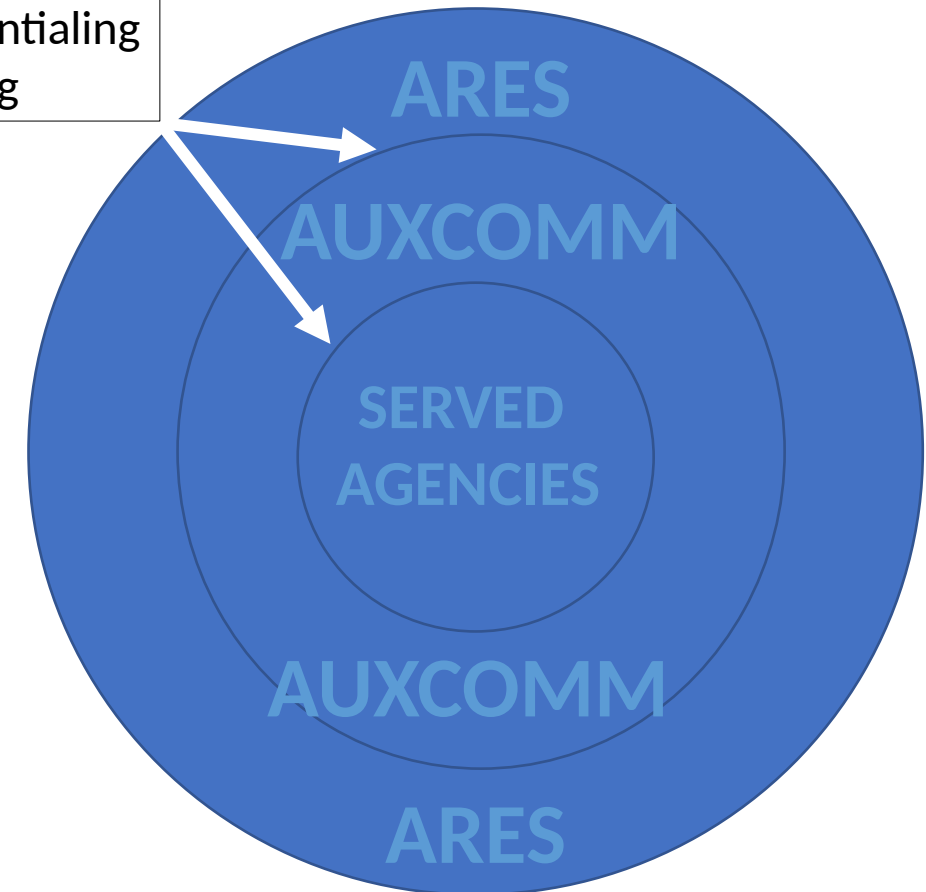


Interoperability Continuum



FEMA-CISA Model

Training
Credentialing
Vetting



RELATIONSHIPS

RELATIONSHIPS

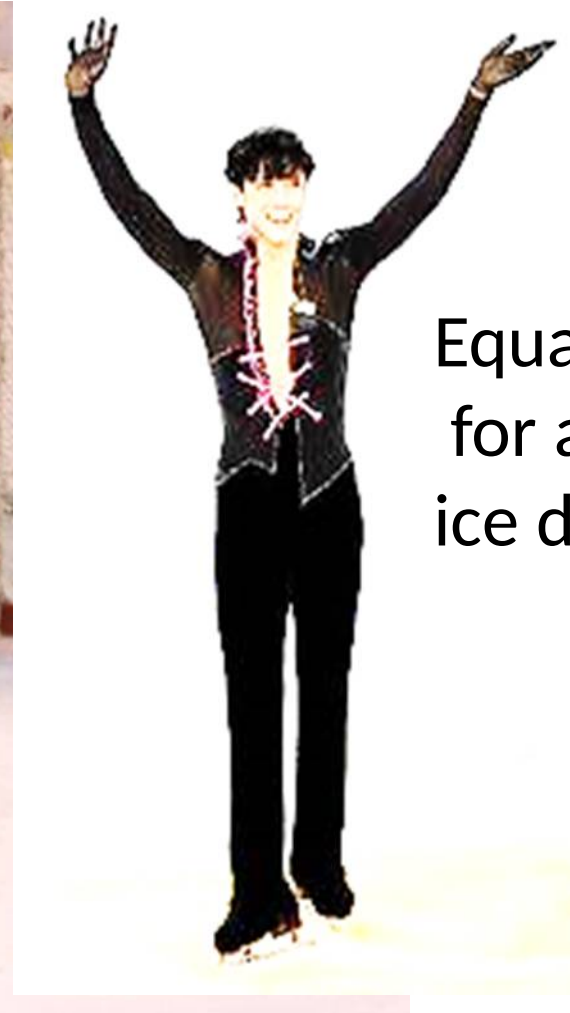
- EMA Directors are responsible for coordinating all resources during an emergency response.



- Emergency Communications Assets must have a relationship with their EMA Director and/or Jurisdiction Having Authority (JHA).

- How's your relationship with your served agencies?

RADOs Without NIMS/ICS Training and a servant attitude



Equates to Showing up for a hockey game in an ice dancing costume

TRAINING REQUIREMENTS ARE INCREASING

EXAMPLES:

- TEMA Communications Unit (COMU)
 - Same training as TEMA employee
 - General Class license
 - Background check
- SHARES (NTIA Frequencies)
 - HISN account
 - General Class license (preferred), not required
 - Background check
- Military Auxiliary Radio System (MARS)
 - Training course
 - General license
 - Background check
- ARES Task Book
- Draft available
 - Enhanced to reflect increased FEMA training requirements
 - Skill elements can be added
 - ARRL core
 - Six levels
- League expects AHJ to provide background check if needed

TRAINING



- Early and often
- Inside, outside, hands-on.
- Based on AHJ requirements.
- Don't hesitate, ask to participate.

TN ARES EMERGENCY PLAN

- ARES Emergency Plan (TAEP) is referenced in the TN Emergency Management Plan (TEMP)
- TEMP Emergency Support Function-2 (ESF-2) calls out the TAEP as responsible for:
 - Providing assistance to state and local governments to enhance communications.
 - Providing local, regional and state plans that include provisions for disseminating warnings.
 - Provide communications capabilities linking local EOCs with National Weather Service offices when possible.

FUTURES

- Winter Field Day 2021, January 25-26
- Field Day 2021, June 26-27
- Simulated Emergency Test October 2021
 - Involve AHJ for enhanced training, relationship building
 - Possibility of Regional/State Department of Health collaboration
- American Red Cross-ARES Winlink/digital exercises
- Training
- Exercises
 - VIGILANT GUARD 21-1 (TN) August

Management Principles for Preparedness

- Safety and civility in all dimensions
- Ability to deliver to customers that which is promised/expected
- RADOs

Trained to level required for tasking

Prepared to arrive and survive for 24-72 hours

- Training
 - All facets of emergency communications
 - Customer expectations
 - HF, UHF, VHF,
 - Field-deployable antennas
 - Digital modes
 - Interpersonal skills

SUMMARY

- ARES must be retooled to match today's AHJ realities.
- “Emergency” in the ARES designation has a different connotation today than it did in 1980.
- A spectrum of AHJs requires a spectrum of training, certification and vetting.
- AUXCOMM is an upward migration path for those ARES RADOs aspiring to public safety service.
- AHJ requirements determine your ability to participate and serve.

KEEP IT
REASONABLE

QUESTIONS?

