

Deploying With SATERN

An Overview



Deploying With SATERN

An Overview Of Deployment

Goals:

What are the SATERN Goals?

Prepare & Travel to the Site

What Might It Be Like To help at the Disaster Site?

Assist at Home

How can you help at EDS or Relay Radio Traffic from Your Home?

Challenges

What Are Some Challenges SATERN Might Face?

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Goals

Volunteering:

- When you deploy with SATERN, you take part in the goals of The Salvation Army to serve disaster survivors and serve God by serving those in need.
- SATERN Radio Communications are designed to support the goals of The Salvation Army



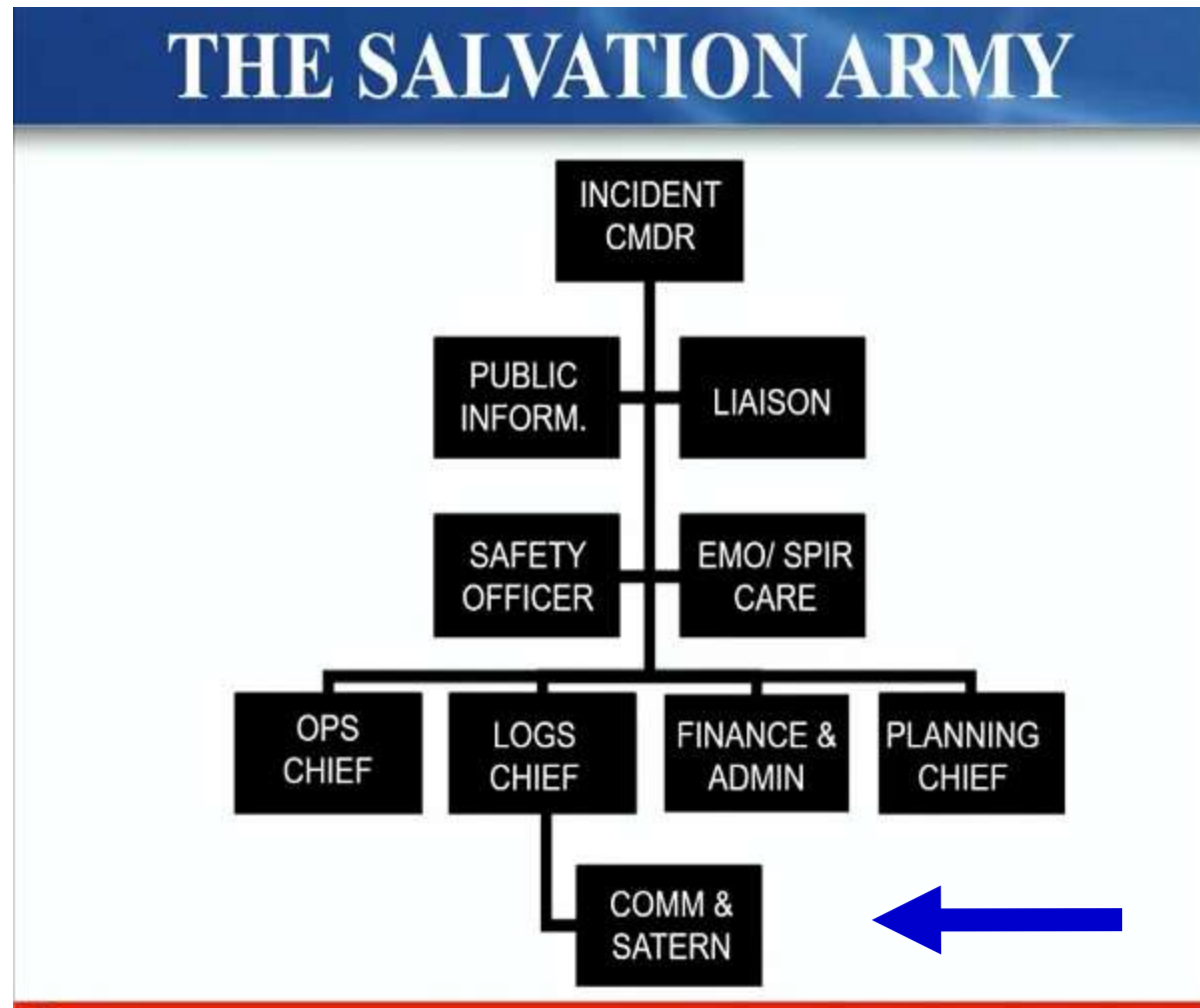
SATERN Founder Pat McPherson
WW9E



Kansas & Western Missouri
Communications Van

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Salvation Army ICS - SATERN



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Volunteering to help “do the most good”

- Being at the disaster site and seeing government and non government agencies responding can be very inspiring.
- When communication tasks subside, you find it natural to help out with other tasks.

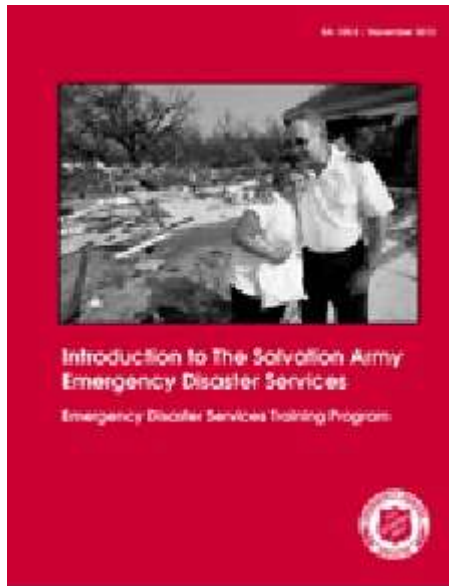


Deployment

How Should You Prepare? – What Do You Take?

Preparation:

- Complete Salvation Army Training and insure your Credentials are current.



Work Amateur Radio Public Service events and become proficient with radio traffic.



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How Should You Prepare? – What Do You Take?

Preparation:

- Insure you are physically able for the activity at the disaster site.
- There can be a fair amount of walking as well as climbing in and out of vehicles among other activities around the site.



These large circus type tents were where breakfast and dinner was served at the Greensburg, KS tornado recovery site.

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How Do You Prepare? What Do You Take?

What Should you Take in the way of “GO KITS”?

- Depends upon the disaster severity, the location and your length of stay.
- For a distant location, in which utilities are disrupted, your overnight sleeping may be miles away at a motel or another type of building such as a college.



Many SATERN members stayed at a motel northeast of the Joplin tornado damage.



Many SATERN members Stayed at Barclay College in Haviland, KS while deployed at Greensburg, KS



Cots were set up between weight machines at Barclay College for the Greensburg, KS. Tornado response.

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How Do You Prepare? What Do You Take?

What Should you Take in the way of “GO KITS”?

- Depends upon the disaster severity, the location and your length of stay



“Go Kits - Inside of Go Kits”: (A full range of personal and radio items)

- May need a “**Week Long Go Kit**” (or more):
 - A week of your personal items– clothing, toiletries, first aid, meds etc.
 - The majority of this will likely stay where you sleep.
- A separate “**Day Go Kit**”: (Small Kit) - you'll take to the disaster site daily.
- Radios, batteries, antennas, sunscreen, hydration, small first aid.

Deployment

What are the steps in deploying SATERN?

- The response begins at the local level by the responding Salvation Army Corps.
 - The local Corps contacts their Divisional Headquarters if more resources are needed.
 - Divisional Headquarters arranges for other Corps / Mobile units in the Division as needed.
 - EDS assess the the disaster and determines what resources to deploy, including SATERN.
 - The standard method for notifying SATERN would be through email using
 - the KS-SATERN@groups.io
- • SATERN Members should monitor their email if there is something happening in our Division or a neighboring one.



As resources build, SATERN may be added

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How do you get to the disaster Location?

Usually you will drive your personal car (or car pool) to a designated location near by the actual disaster site.

It may very likely be where you'll stay during the nights.



You will generally then carpool* to the disaster location early each day for breakfast, Salvation Army coordination meetings and the days activities.



* There may be limited space for vehicles at the actual disaster site.

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Daily Routines:

Daily Routines:

- Salvation Army Meetings usually occur on-site early in the mornings after breakfast.
- The Salvation Army usually gathers a few moments for morning prayers by an officer, then other leaders coordinate the days activities.
- SATERN members meet afterward to further coordinate that days SATERN activities.



SATERN members discussing at Greensburg, KS following Officer prayers and the Salvation Army coordination meeting.

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Tasks SATERN Aims to Accomplish

There are a variety of SATERN tasks that will need to be accomplished.

- One of the tasks usually involves installing radios and antennas on Canteens before they leave for the day.



Del, KØDDS using a radio and antenna that has been installed on a Canteen at Greensburg, KS.



Harry NØHQG has a speaker below the mirror, which helped him hear radio calls, while paying attention to activities outside the Canteen at the Greensburg,KS EOC.

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Tasks SATERN Aims to Accomplish

There are a variety of ways radios may need to be installed.

- Here is how Jim, KØNK simply set his 440MHZ radio between the seats, with a mag-mount antenna on the roof and power from the cigarette lighter.



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Tasks SATERN Aims to Accomplish

Here is how Patrick, KØPMK installed his equipment in a water resistant field type ammo box for simple and easy transport.



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Tasks SATERN Aims to Accomplish



Patrick KØPMK was able to setup on the outside of the canteen with his easily moved ammo box radio.

Each day there may be different SATERN operators and different Salvation Army volunteers at each location.

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Tasks SATERN Aims to Accomplish

Towns and Cities have well organized streets with names and addresses are easy to use.....**until a disaster removes all of the road signs.**



Greensburg, KS Streets



Greensburg, KS. Streets after the tornado.



Tornado path through Joplin, MO.



Joplin, MO. Streets after the tornado.

SATERN operators can chart travel paths using radios and technologies such as APRS.

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Tasks SATERN Aims to Accomplish

When The Street Signs Have Mostly Disappeared:

- Travel paths can be charted using technologies such as **APRS**
- SATERN can provide LOGISTICS support to The Salvation Army Response.



One of the only remaining street signs found at Greensburg, KS.

Deployment

Tasks SATERN Aims to Accomplish

- In the past, the Canteen operations found the logistic support provided by SATERN to be very beneficial.
- At Greensburg several ARES members assisted by using their a personal vehicle as roving re-supply vehicle for the Canteens, this allowed the Canteens to maintain their routes uninterrupted.



ARES members, Joe Griggs KCØHCU and Keith Kaiser WAØTJT, who were assigned the "rover duty".

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Tasks SATERN Aims to Accomplish

- SATERN is able to provide dependable short range communications to sites around the disaster and beyond.

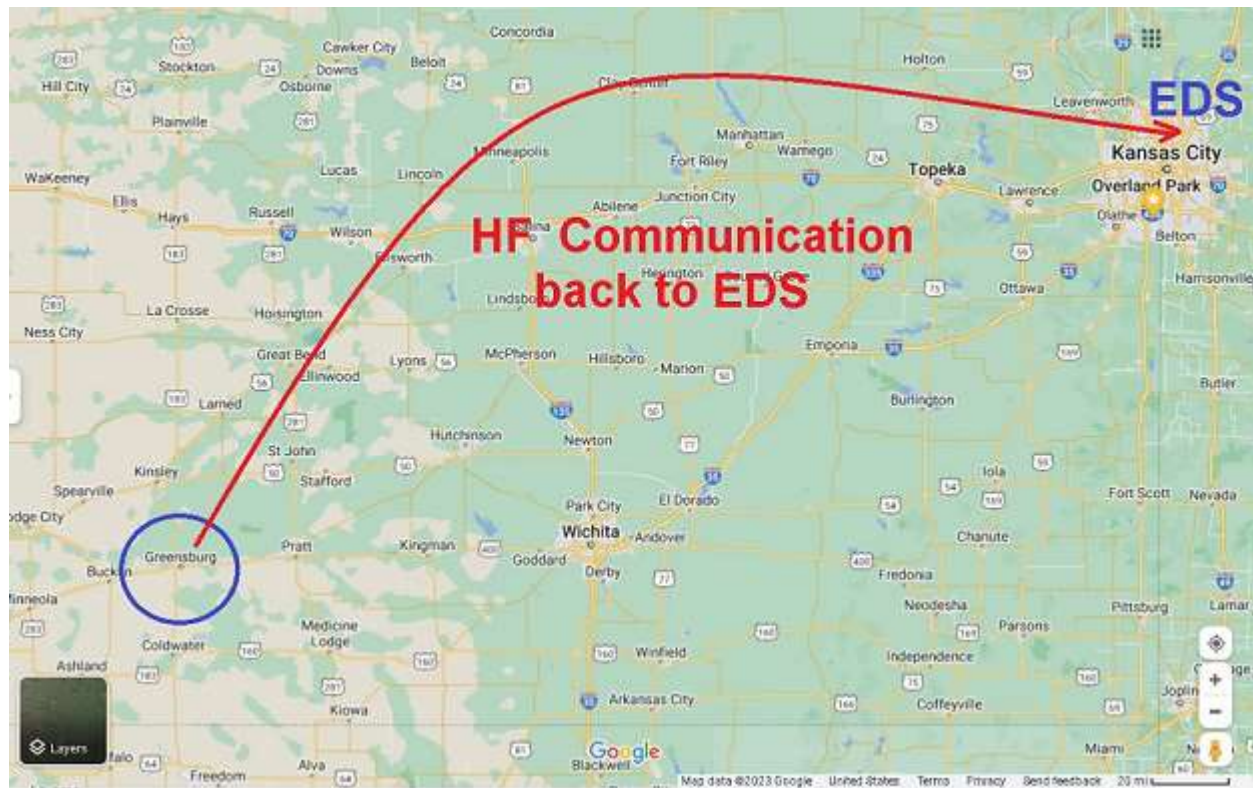


At the Greensburg, KS tornado response Mullinville, KS. and Haviland, KS were some of the **staging areas** for supplies. The location of the KBØVFX repeater is also shown.

Deployment

Tasks SATERN Aims to Accomplish

- SATERN is not only able to provide dependable short range communications at the disaster site and surrounding areas, but also long distance HF communication back to EDS in Kansas City as well as other locations.



Example of HF Communication over a portion of the Division

Deployment

Tasks SATERN Aims to Accomplish

A Station with VHF / UHF and HF was set up at the Haviland, KS distribution center



Deployed members check into the SATERN HF Net while at Greensburg,KS.



A simple "Inverted Vee" antenna outside the center

- The SATERN HF Net was held 3 times a day during the Greensburg response. 9AM, 3PM and 9PM. Net Controls usually were in the Kansas City Area or at EDS.

Deployment

Possible Scenarios of Future Deployments

How could SATERN respond to multiple disasters in or near the Division ?



Possible other Conditions:

Few if any Repeaters available
Wide spread power outage
Wide spread Internet outage
Wide spread Cell Phone outage

Possible SATERN Resources?

- Portable Repeaters
- Portable generators
- Winlink
- Operator rotation