

Emcomm Communications

Remember when ?



1951-
1963



1963-
1997



1997-
Present

Current Players

Can the current system and Radiogram satisfy their needs?



- Amateur Radio and Emergency Management –
- Each Other's Best Friends During Times of Disaster –
 - *If they are talking to each other*

Where are we currently?

National Traffic System: Voice & CW using Radiograms

Pros:

Many Hams with message handling expertise

Acceptable participation

Established protocol (Radiogram)

Minimal equipment required

Where are we currently?

National Traffic System: Voice & CW using Radiograms

Cons:

Band condition dependent

Time to pass traffic is lengthy

Can be error prone

Easily monitored by non-hams

Paper driven

Not a good method for passing data

Not understood by EMA's



THE AMERICAN RADIO RELAY LEAGUE RADIOGRAM



VIA AMATEUR RADIO

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
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TO

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____
 NAME _____
 STREET ADDRESS _____
 CITY AND STATE _____

TELEPHONE NUMBER

_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

REC'D	FROM	DATE	TIME	SENT	TO	DATE	TIME
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THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM A.R.R.L. HEAD-QUARTERS, 225 MAIN STREET, NEWINGTON, CONN. 06111

THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATIONS AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATION-WIDE MESSAGE HANDLING.

PRINTED IN U.S.A.

Where are we heading?

Software driven NIMS message structure

Pros:

Chain of command

Faster message handling than voice

ICS form standard across agencies

Less dependant on band conditions

Monitoring by non-hams requires knowledge and equipment

Not paper driven

Good for passing data files

Can guarantee accuracy

Where are we heading?

Software driven NIMS message structure

Cons:

Computer/Software knowledge required

No current system in place

Less participation is likely

Less expertise is available

More complicated go-kits

Requires training

What are they going to say about us after an emergency?

- Loss/no loss of communications to critical agencies
- Poor/Magnificent Response from Amateur Community
- Immediate and comprehensive/poor disorganized mobilization
- Technologically, everything/nothing worked
- Provided needed and vital communications/we were clueless
- No Responders Injured or Endangered/We got in their way
- Provided immediate, accurate intelligence/messed everything up
- Provided service to most agencies, functions/didn't know we were there

If Amateur Radio is going to be a player in emergency communications, do your organization, planning, training and program development before the fact.



The time to plan is not during the event.

Fast Light Digital Software

- fldigi suite of software has the forms that our served agencies require
- fldigi is actively updating for the served agencies
- fldigi is free
- fldigi has a short learning curve
- fldigi will run on a “lower power” computer
- Will run on Linux / Free-BSD / XP / W2K / Vista

fldigi current forms

[ICS-203](#) - Organization Assignment List

[ICS-205](#) - Incident Radio Communications Plan

[ICS-205A](#) - Comms List - special USCG Plan

[ICS-206](#) - Medical Plan

[ICS-213](#) - emergency management report

[ICS-214](#) - Unit log

[ICS-216](#) - Radio Requirements Worksheet

[MARS Daily](#) - Military Affiliate Radio System Daily report

[MARS IN/EEI](#) - Military Affiliate Radio System IN/EEI report

[MARS Net](#) - Military Affiliate Radio System net report

[MARS Army](#) - Military Affiliate Radio System Army formatted message

[MARS Navy](#) - Military Affiliate Radio System Navy formatted message

[Radiogram](#) - NTS message

[Red Cross Safety & Welfare](#) - standard report

[Plaintext](#) - generic message format

[Blank](#) - very simple text format with no preset fields

FLMSG: 1.1.9

File Template Config Help filename: default.213

ICS MARS Radiogram Red Cross Generic Blank DnD



203 205 205a 206 213 214 216

Originator Responder

To Pos.

Fm Pos.

Sub.

Date  Time 

Message:

Sig. Pos.



Now for a Demonstration

