

# FLMSG Users Manual

## 2.0

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## Chapter 1

# FLMSG Users Manual - Version 2.0

### THE AMERICAN RADIO RELAY LEAGUE

## RADIOGRAM

### VIA AMATEUR RADIO

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
100	ROUTINE	HXA01	W1HKJ	15		1115L	JUN 05
TO AMERICAN RED CROSS				THIS RADIO MESSAGE WAS RECEIVED AT KK5VD 555-555-5555 Robert Madison, AL 35758			
PHONE NUMBER 5555555555							
THIS IS TO INFORM YOU THE SUPPLIES REQUESTED FROM RADIOGRAM NUMBER 88 HAVE BEEN FULLFILLED							
RWS							

### 1.1 Fast Light Message

FLMSG is a simple forms management editor for the amateur radio supported standard message formats.

These current include:

- [ICS-203](#) - Organization Assignment List
- [ICS-205](#) - Incident Radio Communications Plan
- [ICS-205A](#) - Comms List - special USCG Plan
- [ICS-206](#) - Medical Plan
- [ICS-213](#) - General Message Form
- [ICS-214](#) - Unit log
- [ICS-216](#) - Radio Requirements Worksheet
- [ICS-309](#) - Incident Communications Log
- [HICS-203](#) - Hospital Organization Assignment List

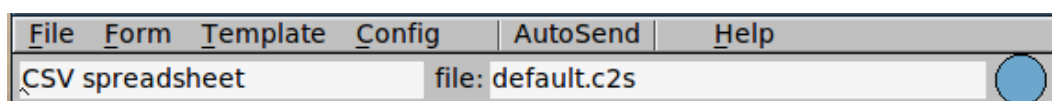
- [HICS-206](#) - Hospital Staff Medical Plan
- [HICS-213](#) - Hospital Incident Message Form
- [HICS-214](#) - Hospital Operational Log
- [MARS Daily](#) - Military Auxiliary Radio System Daily report
- [MARS IN/EEI](#) - Military Auxiliary Radio System IN/EEI report
- [MARS Net](#) - Military Auxiliary Radio System net report
- [MARS Army](#) - Military Auxiliary Radio System Army formatted message
- [MARS Navy](#) - Military Auxiliary Radio System Navy formatted message
- [IARU](#) - International Amateur Radio Union standard message
- [Radiogram](#) - NTS message
- [Red Cross Safety & Welfare](#) - standard report
- [Red Cross 5739](#) - On Site Detailed Damage Assessment
- [Red Cross 5739A](#) - Detailed Damage Assessment Supplemental Worksheet
- [Red Cross 5739B](#) - Area Assessment Worksheet
- [Plaintext](#) - generic message format
- [CSV-text](#) - Comma Separated Value text file (spreadsheet)
- [Blank](#) - very simple text format with no preset fields
- [Drag and Drop](#) - target control (widget) that accepts either a data file (.203 etc), a wrapped data file (.wrap), or the text associated with a data file. The later may be a copy and paste from another application such as fldigi or a text editor.
- [Transfer](#) - transfer any file using FLMSG wrap and header controls.

It's data files are pure ASCII text that can be sent from point to point using the internet, amateur radio, or other electronic link. The data files are designed to minimize the transfer size. This is particularly important on amateur HF. The data file and the transfer file are one in the same. The transfer file is encapsulated using a process that is compatible with flwrap. Encapsulation allows the program to confirm the received file integrity.

The data file may be sent using flamp or wrapped by flwrap for external transmission. You might want to do that if the file is to be transmitted via internet or a protocol not contained in fldigi. Files transferred in this way will not automatically open in flmsg.

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## 1.2 Menu's



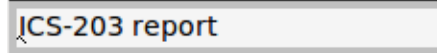
A rectangular input field with a light gray background and a thin border. It contains the text "ICS-203 report" in a black, sans-serif font. A small cursor icon is visible at the beginning of the text.

Figure 1.1: Form Name

A rectangular input field with a light gray background and a thin border. It contains the text "file: default.203" in a black, sans-serif font. A small cursor icon is visible at the beginning of the text.

Figure 1.2: File Name



Figure 1.3: Drag and Drop Target

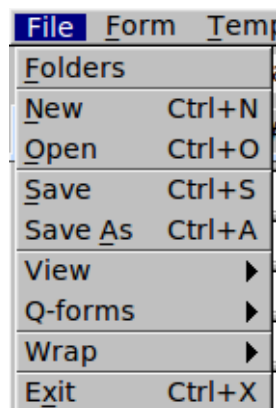


Figure 1.4: File Menu

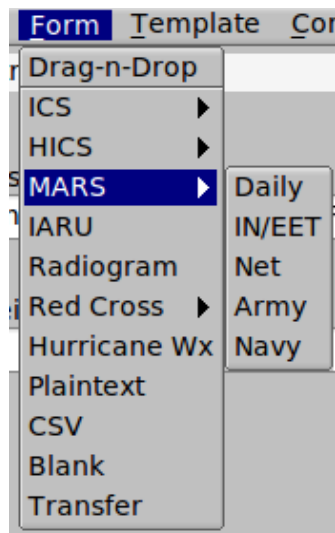


Figure 1.5: Form Menu

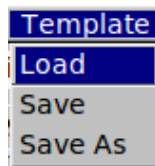


Figure 1.6: Template Menu

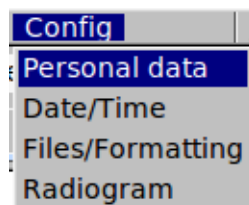


Figure 1.7: Config Menu



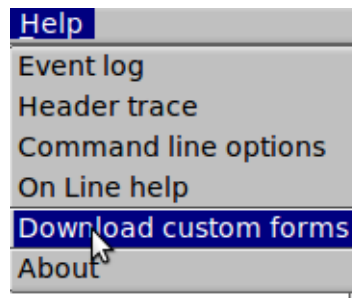


Figure 1.8: Help Menu

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### 1.2.1 File Menu

New - clear all fields and name the default file "new.f2s" (new.m2s for radiogram)

Open - open an existing file flmsg data files have the extension

- ".i2s" for IARU form
- ".203" for ICS-203 forms
- ".205" for ICS-205 forms
- ".25A" for ICS-206A forms
- ".206" for ICS-206 forms
- ".213" for ICS-213 forms
- ".214" for ICS-214 forms
- ".216" for ICS-216 forms
- ".H203" for HICS-203 forms
- ".H206" for HICS-206 forms
- ".H213" for HICS-213 forms
- ".H214" for HICS-214 forms
- ".mds" for MARS daily report
- ".mis" for MARS IN/EEI report
- ".mns" for MARS net report
- ".nas" for MARS Army message
- ".nns" for MARS Navy message
- ".m2s" read as "message 2 send" for radiogram forms
- ".sws" for Red Cross Safety & Welfare report
- ".39s" for Red Cross 5739
- ".3as" for Red Cross 5739A
- ".3bs" for Red Cross 5739B
- ".p2s" for plain text, generic forms
- ".c2s" for comma-separated-value spreadsheets
- ".b2s" for blank forms

Save - save the current file to the name in the "file:" display box

Save As - save using a new filename that the user provides

View - write the data to specified type of file

Html delivery - viewed in default browser, contains only those elements sent to final recipient

Html file copy - viewed in default browser, contains ALL fields including record keeping

Text - viewed in default text editor - suitable for CW / Voice transmission

#### Q-forms

Import - Import the data fields from a Qforms eXtended Markup Language (xml) file

Export - Export the data fields to a Qforms compatible xml file

#### Wrap (Import / Export / AutoSend)

Import the data fields from a Wrapped data file. If the data file is corrupt you will be given the opportunity to either allow flmsg to recover as many fields as possible or to view the file using the default text editor.

Export the data fields to a Wrapped data file

Create a wrapped datafile and save in the NBEMS.files/WRAP/auto directory. If running, fldigi will find and automatically transmit the file.

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### 1.2.2 Template

Load - load an existing template file - the default extension for the supported files are:

IARU template - ".i2t"  
ICS-203 template - ".203T"  
ICS-205 template - ".205T"  
ICS-205A template - ".25T"  
ICS-206 template - ".206T"  
ICS-213 template - ".213T"  
ICS-214 template - ".214T"  
ICS-216 template - ".216T"  
HICS-203 template - ".H203T"  
HICS-206 template - ".H206T"  
HICS-213 template - ".H213T"  
HICS-214 template - ".H214T"  
MARS daily template - ".mdt"  
MARS IN/EEI template - ".mit"  
MARS Net template - ".mnt"  
MARS Army template - ".nat"  
MARS Navy template - ".nnt"  
Radiogram template - ".m2t"  
Red Cross Safety & Welfare template - ".swt"  
Red Cross 5739 - ".39t"  
Red Cross 5739A - ".3at"  
Red Cross 5739B - ".3bt"  
Plain text template - ".p2t"  
CVS-spreadsheet - ".c2t"  
Blank text template - ".b2t"

Save - save the current form as a template file, using the default (or current) filename  
 Save As - save the current form as a template file, user provides the filename

**Note:** data files and template files for ICS213 are identical. The only difference is their location in the computer directory structure and their extension. Message files and template files maintain their uniqueness by virtue of their file name. If you reuse a filename the old data will be lost.

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## 1.3 File locations

On XP: C:\Documents and Settings\<username>\NBEMS.files  
 On Vista: C:\Users\<username>\NBEMS.files  
 On Linux: /home/<username>/.nbems  
 On Puppy: /root/.nbems  
 On OS X: /home/<username>/.nbems

Data files are located in the sub directory "ICS/messages"  
 Template files are located in the sub directory "ICS/templates"  
 View files (.rtf, .html, .txt) are located in the "ICS/" subdirectory.

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## 1.4 Compression

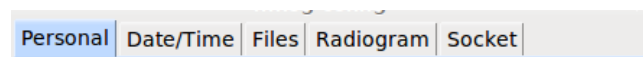


The compression panel is at the bottom of the main dialog. You can elect to compress any file during transmission. Compressed data must be converted to a character set that can be transmitted by fldigi. The choices are base-64, base-128 and base-256. A limited subset of digital modem types can be selected from the 2nd combo box. If flmsg and fldigi are executing concurrently then flmsg will command fldigi to change modem when a new modem type is selected in flmsg. Each time these controls are changed (when a change is made to the form itself) the status blocks for transfer size and number of seconds to transfer is updated.

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## 1.5 Configuring

There are five separate configuration dialog tabs for FLMSG:



Call:

Tel:

Name:

Addr:

City/St/Zip:

Personal data that will be used on various forms. The Call is a required field. If you leave it blank the program will nag you when you try to save a file, create a wrapped file, or use the autosend function.

☒ YYYY-MM-DD    ☒ hhmmL  
☐ YYYY-DD-MM    ☐ hh:mmL  
☐ MM/DD/YY       ☐ hhmmZ  
☐ DD/MM/YY       ☐ hh:mmZ  
                         ☐ hhmm UTC  
                         ☐ hh:mm UTC

- Date format - select the date format that will be used for both ICS213 and Radiogram
- Time format - select the time format that will be used for both ICS213 and Radiogram

**Wrap**  
☐ Open folder when exporting

**Naming Files**  
☒ Callsign    ☐ Date-time  
☒ Serial #     Next #

**MARS roster file**

**Html message text**  
☒ Word wrap at  characters  
☐ Force compression on xmt data

- Wrap - automatically open the target folder (directory) when the file is exported
- All flmsg data streams can be compressed to reduce transmission time. The compression will only be applied to the data part of the transmission, and it will only occur if the compression actually reduces the size of the file. The compression information is recorded in the event log (see below).
- Naming files - automatic file name generation as:  
CALLSIGN-YYYYMMDD-HHMMSS(Z)-NNNN where  
CALLSIGN is the operators callsign  
YYYYMMDD is year, day, month  
HHMMSS is hours, minutes, seconds local or Zulu at time file is created  
NNNN is an auto incremented serial number  
You can elect to use any or none of the autogeneration components  
Filename extensions are f2s for ICS-213 data, f2t for ICS-213 templates and  
m2s for radiogram data.
- Radiogram serial numbers can be auto-incremented. The auto-increment number is also used for the file name. In the example shown the next Radiogram will be number 104 and the associated file will be W1HKJ-104.m2s
- MARS roster file - Callsign entries in the MARS forms is from a combo box that is filled in from a configuration file. This file is a simple CSV, Comma Separated Value, text file. An example of its contents is:

```
CALL, LNAME, STATE, BCALL, POSITION
AAR1AA,LNAME1,VT,,
AAR1AB,LNAME2,NH,AAQ1EQQ,RS TUV
AAR1BC,LNAME3,ME,AAQ1ERR,AB CDE
```

Note that empty fields are still separated by a comma. This file can be managed using a text editor or any spreadsheet program.

5 message words/line

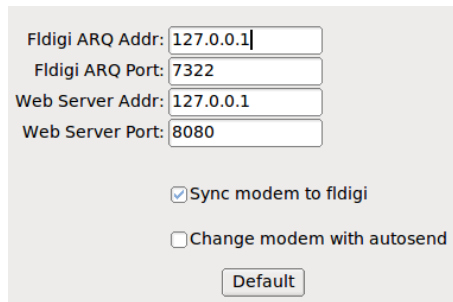
☒ Auto incr'

1 Next #

☒ Show ARL desc'

close

- Radiogram format -
  - # words per line to be used when formatting the radiogram message text
  - Auto increment the filename numbering
  - Assign a value to the next auto increment number
  - Add the ARL numeric descriptors to end of html form



Fldigi ARQ Addr: 127.0.0.1  
Fldigi ARQ Port: 7322  
Web Server Addr: 127.0.0.1  
Web Server Port: 8080

☒ Sync modem to fldigi  
☐ Change modem with autosend

Default

Configure server interface to fldigi. Used for xmlrpc interface to fldigi. Allows flmsg to control fldigi modem selection for a limited subset of the fldigi modem types.

Configure html forms server, used to edit and display custom html forms.

Sync modem to fldigi - flmsg modem type will follow fldigi selection.

Change fldigi modem with autosend - send modem change signal to fldigi just prior to beginning flmsg transmission. fldigi does not automatically return to original modem.

Default - restore socket address/port pairs to the default settings.

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## 1.6 Auto Send

flmsg can connect directly to fldigi using fldigi's ARQ socket service. Fldigi acts as the server and flmsg the client. Pressing the "AutoSend" button will initiate an immediate transfer of an encapsulated file to fldigi. You should have fldigi prepared to accept the file for transmission. The frequency (radio and audio) and modem type should be correct and if you are in a QSO then your contact should be prepared to receive the transmission.

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## 1.7 Qform data file

flmsg can read and write Qform ICS213 data files. The Qform data file is larger by virtue of the xml structure. The file size ratio is less when the content is larger.

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## 1.8 Viewing the data in a printable format

The program can produce a viewable document in ASCII text and Hypertext Markup Language (html) file formats. After creating the document flmsg will request the file to be opened by the default viewer / editor for that type of document.

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## 1.9 Html Text Format

The html Text Format file that the File/Write menu item produces can be opened with any web browser program. Use that software for printing the report.

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## 1.10 Command line parameters

Fmsg may be invoked from the command line (or parameters added to the launcher target).

```

-help
-version
-flmsg-dir "full-path-name-of-folder for all FLMSG folders"
-auto-dir "full-path-name-of-folder for autosend files"
auto-dir and flmsg-dir can be separate and unique
-p FILENAME - print and exit
-b FILENAME - print and stay open

```

The `-p` and `-b` options are used by fldigi when it automatically opens fmsg to display a received fmsg data file.

The `-flmsg-dir` parameter is used to change the default location of all of the files associated with fmsg. This should match with the same command parameter passed to fldigi. This allows the user to run multiple instances of fmsg / fldigi with each keyed to the other. For example the user might have separate fmsg/fldigi pairs for HF, VHF etc.

The default is:

```

XP - C:\Documents and Settings\<username>\NBEMS.files\
Vista/Win7 - C:\Users\<username>\NBEMS.files\
Linux/Unix/OS X - $HOME/.nbems/

```

The `-auto-dir` parameter is used to further change the name of the folder used to contain the file that is sent automatically by fldigi. Fldigi's command line parameter `-auto-dir` must match. This is in addition to and over rides the `-flmsg-dir` parameter.

The default is:

```

XP - C: and Settings<username>.files<br> Vista/Win7 - C:<username>.files<br> Linux/Unix/OS X - $H↵
OME/.nbems/WRAP/auto/

```

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## 1.11 Event Log

Events are recorded at various debugging levels (default is INFO) to assist the user in reporting problems to the developers. The most recent event is at the top of the dialog. The event log is opened from the Help | Event Log menu item:

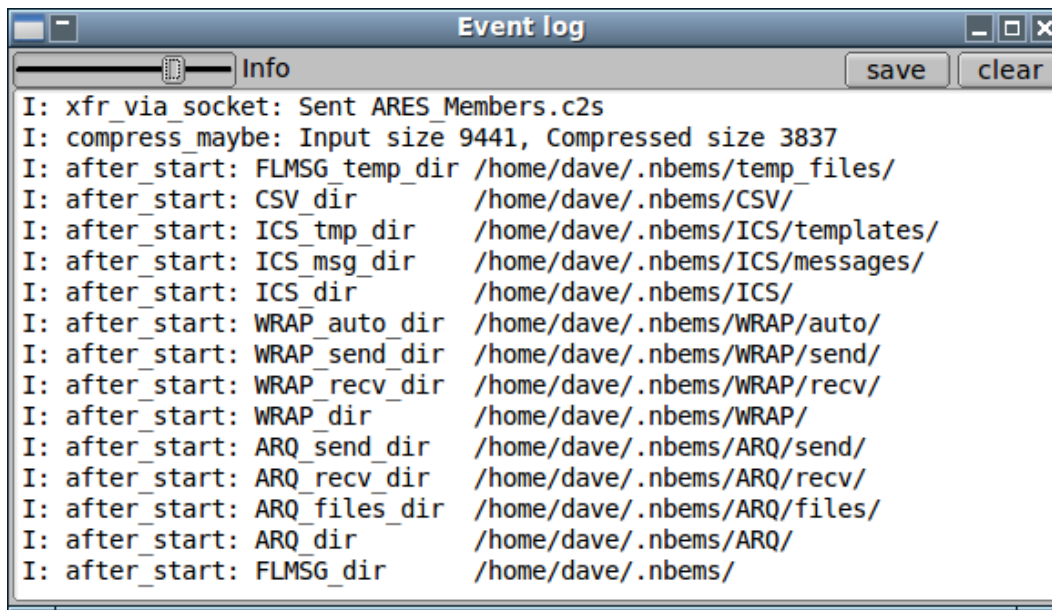


Figure 1.9: Event Log

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## 1.12 Headers

A new feature in this version of fldigi is the ability of the program to track origination and modification of many of the message types. The program also keeps track of the stations in the transmit path for a specific message.

An example plaintext message:



Figure 1.10: Plain Text Msg

When exported as a wrap file becomes:

```
[WRAP:beg][WRAP:lf][WRAP:fn W1HKJ-13.p2s]
<flmsg>1.1.14
:hdr_fm:19 W1HKJ 201214042019Z
:hdr_ed:19 W1HKJ 201210041840Z
<plaintext>
:tt:20 A plain text message
:to:5 Harry
:fm:4 Dave
:dt:10 2012-04-10
:tm:5 1339L
:sb:17 Bumps in the road
:mg:105 Life seems to have more than it's share of bumps in the road. The
secret is to stay alert at the wheel.

[WRAP:chksum A358][WRAP:end]
```

The :hdr\_fm: is a first-to-last list of sending stations, each separated by a new-line character.  
 The :hdr\_ed: is a first-to-last list of editing / modifying stations, each separated by a new-line character.  
 Each entry consists of the station callsign and the Zulu date time in YYYYMMDDMMHH format.

These can be viewed from within flmsg using the "Help | Header Trace" menu item:

Figure 1.11: Header Trace

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## 1.13 Custom Forms

flmsg now has the capability of working with locally prepared custom forms. Custom forms may be created either using a special comma separated value (csv) format or with html forms.

### 1.13.1 Custom Html Forms

The basis of a custom flmsg form is an html form.

You can use LibreOffice to create a form and then export it to an xhtml format. You can also use LibreOffice to import an MS word document first. LibreOffice is available for free for all of the operating systems on which flmsg will execute.

You then use a text / web editor to add some elements; Geany, Gedit, Notepad++ / Bluefish, Kompozer are suitable editors.

The html flmsg form must include these statements:

```
<META NAME="EDITABLE" CONTENT="true">
<META NAME="MENU_ITEM" CONTENT="Example">
```

in the "header" (between the <HEAD><> and </HEAD><> tags) of the html file:

The second line, "CONTENT=" value is the name of the form as it will show up in flmsg in the Form, Custom menu:

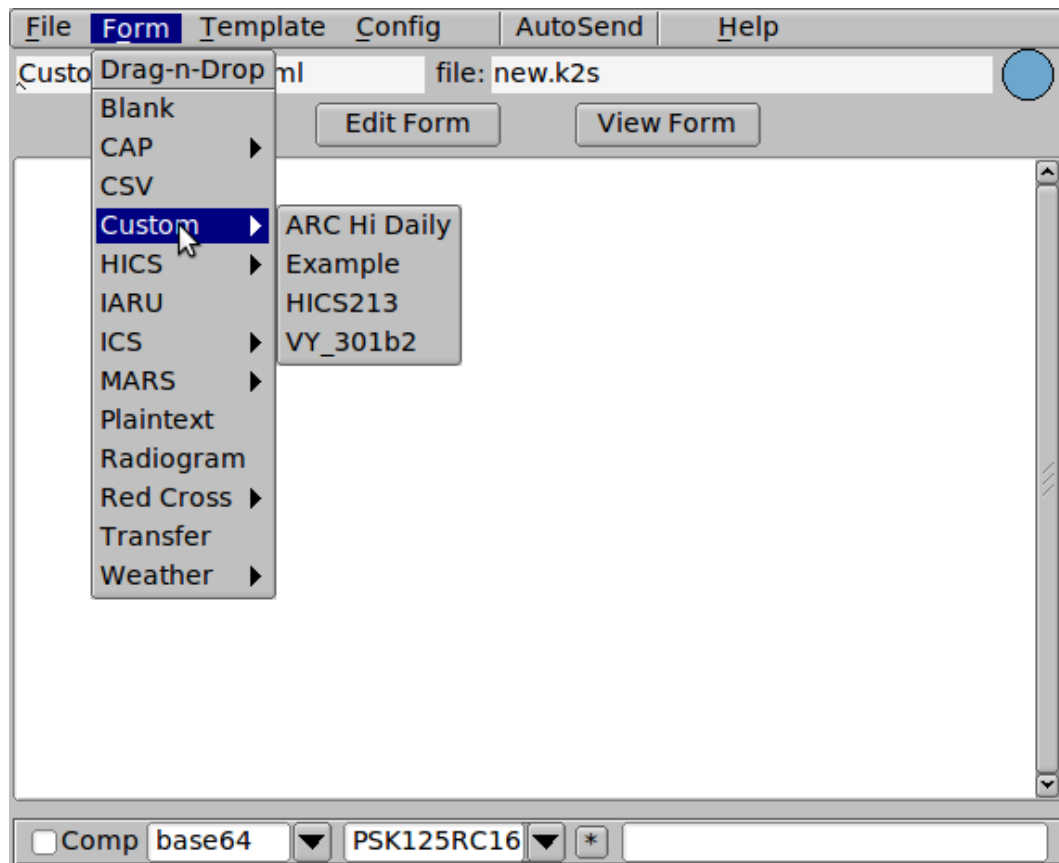


Figure 1.12: Custom Menu

flmsg supports the following html form input types:

- text input
- password input
- check box
- radio box
- select (combo box)
- multi-line "text area"

This is the "Example" form. It demonstrates the use of all of the supported controls.

----- raw html -----

```
<h2>A Simple HTML Form Document</h2>
<form>Enter your name: <input name="name" value="W1HKJ" size="20"
maxlength="40" type="text"> and password: <input name="password"
size="9" maxlength="8" type="password"><br>
<p>Please indicate which areas of the world you would like to visit:</p>
<p> <input name="cb1" type="checkbox">Asia<br>
<input name="cb2" type="checkbox">Africa<br>
<input name="cb3" type="checkbox">North America<br>
<input name="cb4" type="checkbox">South America<br>
```

```

<input name="cb5" type="checkbox">Antarctica<br>
<input name="cb6" type="checkbox">Europe<br>
<input name="cb7" checked="checked" type="checkbox">Australasia<br>
</p>
<p>Please indicate which area of the world you live:</p>
<p> <input name="rb" value="1" type="radio">Asia<br>
<input name="rb" value="2" type="radio">Africa<br>
<input name="rb" value="3" checked="checked" type="radio">North America<br>
<input name="rb" value="4" type="radio">South America<br>
<input name="rb" value="5" type="radio">Antarctica<br>
<input name="rb" value="6" type="radio">Europe<br>
<input name="rb" value="7" type="radio">Australasia<br>
</p>
<p>
Please select your modem speed:
<select name="speed">
<option value="none">No modem</option>
<option value="vslow" selected="selected">9600 or lower</option>
<option value="slow">19200</option>
<option value="ok">38400</option>
<option value="fast">over 38400</option>
</select>
</p>
Please enter your address:<br>
<textarea name="address" rows="5" cols="50">106 Whitfield Drive
Toney, Alabama 35773</textarea><br>
<p>
</form>

```

----- normal HTML view -----

### 1.13.2 A Simple HTML Form Document

#### A Simple HTML Form Document

Enter your name:  and password:

Please indicate which areas of the world you would like to visit:

☐ Asia  
☐ Africa  
☐ North America  
☐ South America  
☐ Antarctica  
☐ Europe  
☒ Australasia

Please indicate which area of the world you live:

☐ Asia  
☐ Africa  
☒ North America  
☐ South America  
☐ Antarctica  
☐ Europe  
☐ Australasia

Please select your modem speed:

Please enter your address:

106 Whitfield Drive  
 Toney, Alabama 35773

Figure 1.13: Custom Form

The “<INPUT” fields must all be inside a FORM (the “<form>” and “</form>” tags). Use the Example form above as a guide for the currently supported INPUT types.

A good source for understanding basic HTML forms is [http://www.w3schools.com/html/html\\_forms.asp](http://www.w3schools.com/html/html_forms.asp)

Once you have your custom form ready, just drop it into the Custom subdirectory in nbems.files (Windows) or .nbems (Linux) directory.

Fmsg checks once a second for any new or deleted custom files and updates the Form, Custom menu.

Once you click on the Custom form in flmsg, it will open a screen like this:

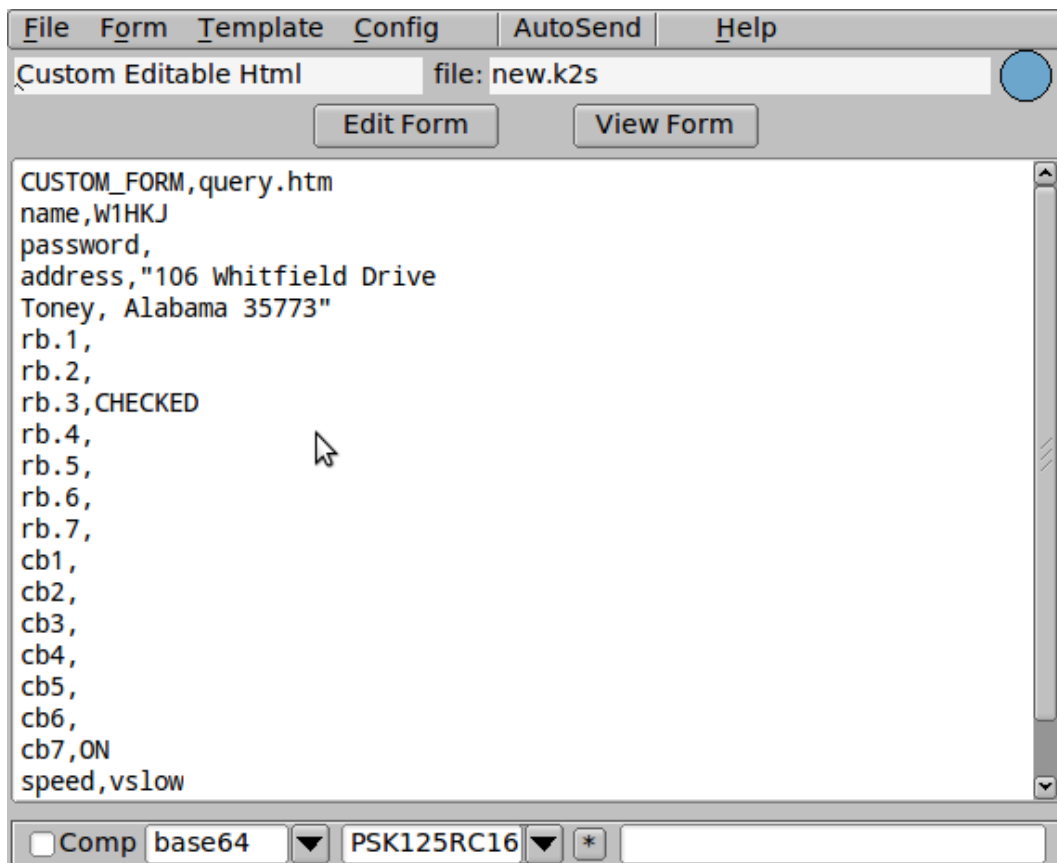


Figure 1.14: Custom Data Fields

Use the “Edit Form” button to open an editable form in your web browser.

flmsg will add a “Submit Form” button to the bottom of your form. Do not add that button during your form development.

Pressing the “Submit Form” button transfers the data back to flmsg.

When you have the data in the form filled out, save it from the File, Save menu and then use the “AutoSend” button in flmsg to send it to fldigi. The receiving end must also have the same custom form in their Custom folder for them to be able to view it in a browser and print it.

Use the “View Form” button in flmsg to view a “Read Only” version of the form.

Of course if you want a printed version, just use the print function of your web browser while viewing the form.

The custom html entry form needs to be at both the sending and receiving end. The raw data can be received without the form, but it will only display as a comma separated value table. The custom html form can be transmitted to new receiving stations via any means, email attachment, “flmsg file transfer”, or “flamp file transfer”.

### 1.13.3 On Line Site for Custom Html Forms

Custom forms may be uploaded and downloaded from the NBEMSham Yahoo group. Access to the custom form file folder can be easily obtained from the "Help | Download custom forms" menu item. Click this menu item will open your default web browser to this site:

[https://groups.yahoo.com/neo/groups/NBEMSham/files/Custom\\_flmsg\\_forms/](https://groups.yahoo.com/neo/groups/NBEMSham/files/Custom_flmsg_forms/)

You must be a member of the group to have upload privileges.

### 1.13.4 Custom CSV Forms

Custom forms consist of three documents, 1, 2, 3 and 4 as illustrated by the example files in the table below. A custom csv template should also be distributed with your new custom document. That will insure that user documents will correctly correspond to the custom forms. Lines 5 and 6 illustrate a completed spreadsheet and it's transfer document. Lines 7 and 8 are the final view documents for (5).

1	ARCdaily.c2t	user fill-in template for the Red Cross Daily Report (in the IRC/template folder)
2	ARCdaily.htm	html pretty print template for the Red Cross Daily Report (in the CUSTOM folder)
3	ARCdaily.txt	text print template for the Red Cross Daily Report (in the CUSTOM folder)
4	ARCdaily.csv	empty spreadsheet delineating the data fields for the ARC daily report (in the CSV folder)
5	ARCdaily_001.csv	completed user form for report #001, Red Cross Daily Report (in the CSV folder)
6	W1HKJ-14.c2s	flmsg transfer document for above completed form (in the ICS/MESSAGES folder)
7	W1HKJ-14.htm	html view of (6), will be written to the NBEMS.files/temp_files folder
8	W1HKJ-14.txt	text view of (6), will be written to the NBEMS.files/temp_files folder

Table links not functional. See FLMSG HTML version at <http://www.w1hkj.com/downloads>

The flmsg spreadsheet (csv) handler detects a first line in the csv body:

CUSTOM\_FORM, "form\_name"

for example:

CUSTOM\_FORM, ARCDaily

Which will cause special handling for both View ... html, and View ... text, when detected and the files "form\_↵ name.html" and "form\_name.txt" are present in the folder

nbems.files

then those template files will be used for the viewer. If not found then the standard spread sheet view will be presented to the user. This maintains complete backward compatibility with the current flmsg. flmsg will create a new subfolder under the nbems.files (~/.nbems) folder hierarchy.

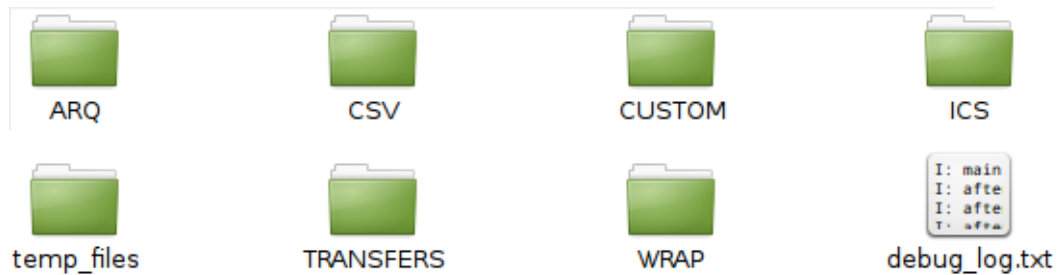


Figure 1.15: Custom Folders

The form templates, html and txt should be placed in the CUSTOM folder.

Good usage dictates that blank spaces in file names and field names be replaced with the underscore character. Field contents should be enclosed in double quotes when the field contains a comma.

It might be advisable to also distribute a how-to file for each custom form. The how-to would detail what each csv line requires, which ones should not be modified, etc.

The developers are working on an embedded web server within flmsg that will allow further enhancement of the custom form concept. When completed it will be possible to use the custom form for both data entry and display.

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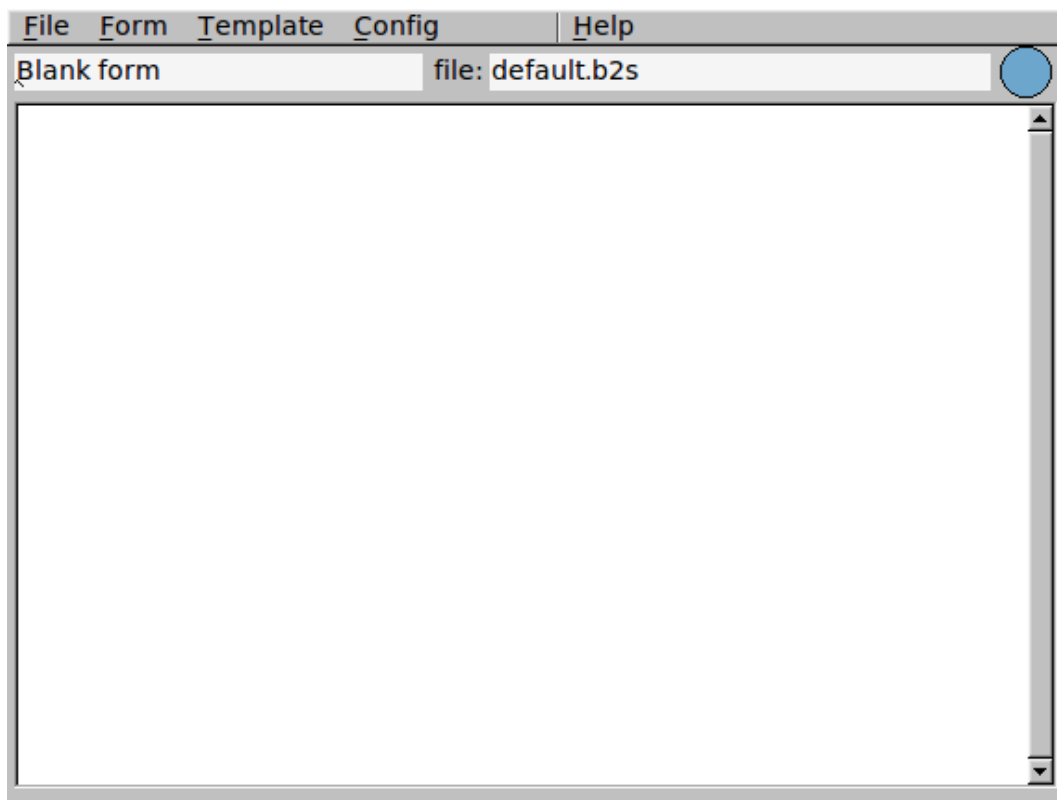




## Chapter 2

# Blank messages

The user prepares a message using a blank form. This can be used for utility type messages, or for generating a local form that is not covered by any of the other supported emergency communications formats.

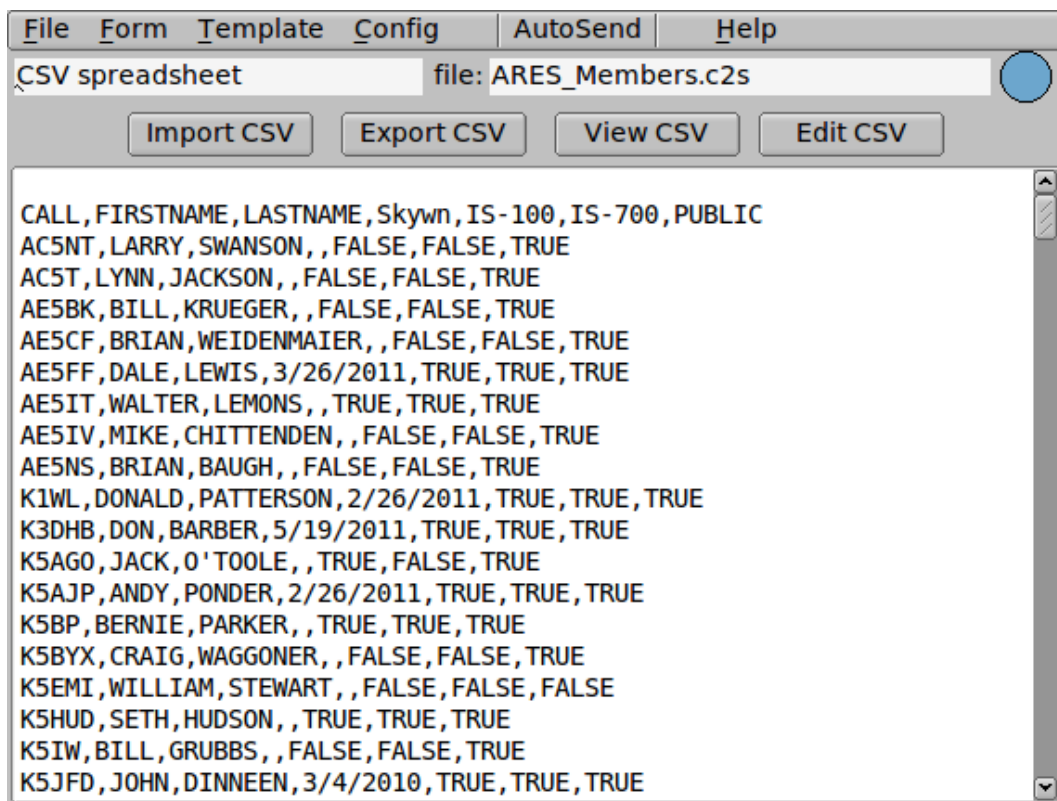




## Chapter 3

# Comma Separated Value text (spreadsheet) messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:



The user will not usually prepare the csv file using the text panel. CSV files are created using a spreadsheet program such as Excel, Gnumeric or Open Office Calc. The spreadsheet values are then exported to the CSV file. Please note that CSV files do not contain spreadsheet links, spreadsheet formulas, or multiple sheets. They can be used only for transferring a single spreadsheet with the computed values.

The data panel is populated by one of three ways.

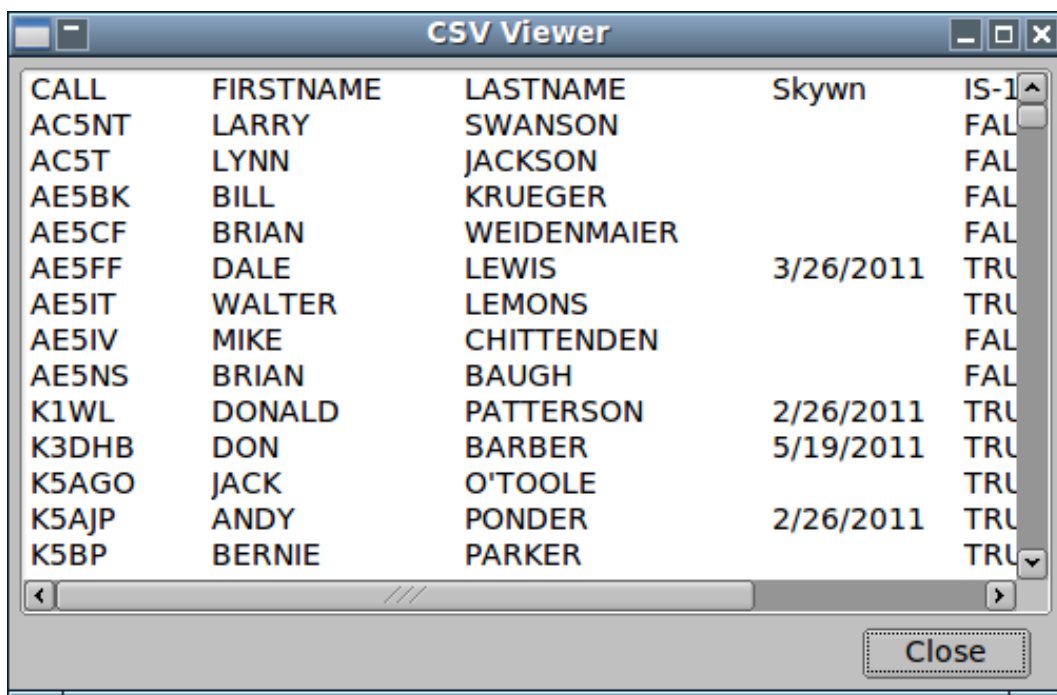
1. Pressing the Import CSV button
2. Right clicking on the panel and selecting "Insert file"
3. Dragging a CSV file from the desktop or a file manager window and dropping on the data panel

When you import the csv file the program will parse the csv file name to create the c2s file name.

You can export a csv file so that it can be opened using your spreadsheet program. Left click on the "Export CSV" to perform this operation.

You can export and open the csv file with your spreadsheet program by pressing the "Edit CSV" button. Your file manager must open csv files with the spreadsheet program by default for this action to work.

You can open a read-only view of the data fields by pressing the "View CSV" button:



CALL	FIRSTNAME	LASTNAME	Skywn	IS-1
AC5NT	LARRY	SWANSON		FAL
AC5T	LYNN	JACKSON		FAL
AE5BK	BILL	KRUEGER		FAL
AE5CF	BRIAN	WEIDENMAIER		FAL
AE5FF	DALE	LEWIS	3/26/2011	TRU
AE5IT	WALTER	LEMONS		TRU
AE5IV	MIKE	CHITTENDEN		FAL
AE5NS	BRIAN	BAUGH		FAL
K1WL	DONALD	PATTERSON	2/26/2011	TRU
K3DHB	DON	BARBER	5/19/2011	TRU
K5AGO	JACK	O'TOOLE		TRU
K5AJP	ANDY	PONDER	2/26/2011	TRU
K5BP	BERNIE	PARKER		TRU

Viewing the content and printing can be accomplished using the menu item "File | View | Html delivery". A partial view of the html document for the above data:

CALL	FIRSTNAME	LASTNAME	Skywn	IS-100	IS-700	PUBLIC
AC5NT	LARRY	SWANSON		FALSE	FALSE	TRUE
AC5T	LYNN	JACKSON		FALSE	FALSE	TRUE
AE5BK	BILL	KRUEGER		FALSE	FALSE	TRUE
AE5CF	BRIAN	WEIDENMAIER		FALSE	FALSE	TRUE
AE5FF	DALE	LEWIS	3/26/2011	TRUE	TRUE	TRUE
AE5IT	WALTER	LEMONS		TRUE	TRUE	TRUE
AE5IV	MIKE	CHITTENDEN		FALSE	FALSE	TRUE
AE5NS	BRIAN	BAUGH		FALSE	FALSE	TRUE
K1WL	DONALD	PATTERSON	2/26/2011	TRUE	TRUE	TRUE
K3DHB	DON	BARBER	5/19/2011	TRUE	TRUE	TRUE
K5AGO	JACK	O'TOOLE		TRUE	FALSE	TRUE
K5AIP	ANDY	PONDER	2/26/2011	TRUE	TRUE	TRUE

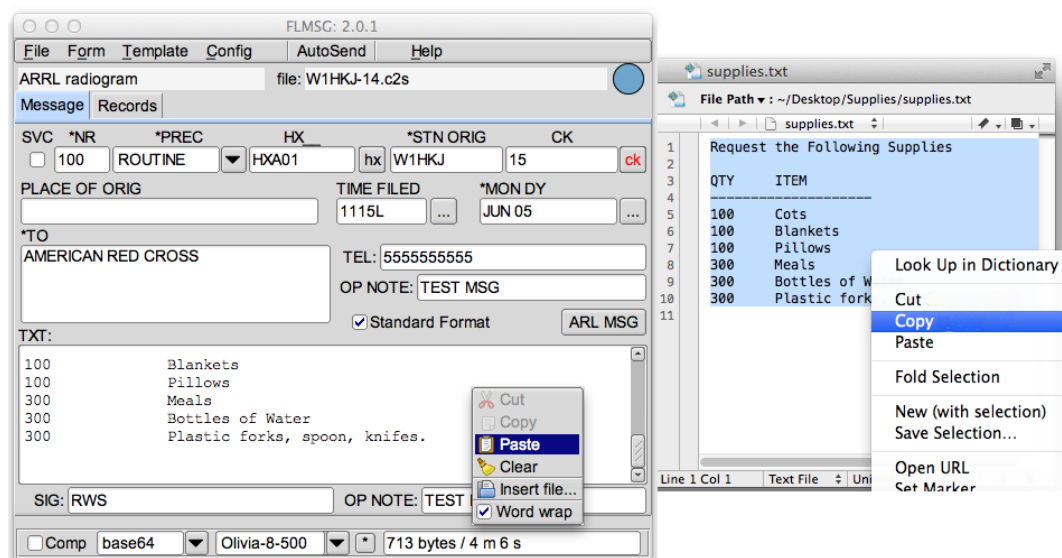
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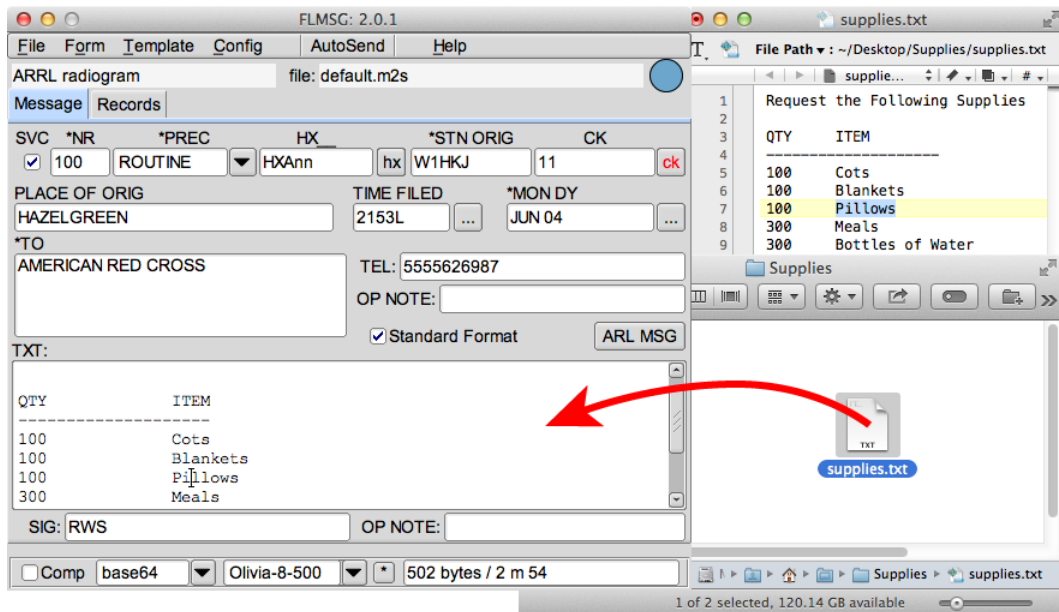
## Chapter 4

# Drag and Drop

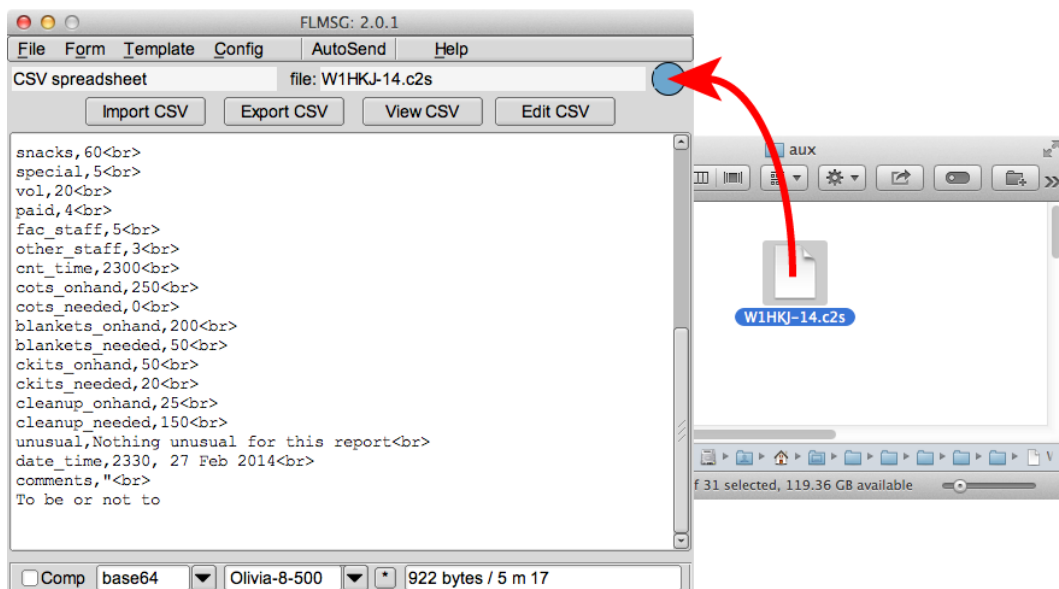
This is not an EMCOMM form, but a convenient way to either open or capture data using the OS window manager resource. The light blue circular target icon in the upper right hand side of the window can accept objects using mouse implemented drag and drop techniques.



Cut and paste text from text editor to FLMSG edit pane.



Drag file, placing content of file into the edit pane.



Drag message file to the DnD icon.

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
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## Chapter 5

# HICS-203 messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help	
HICS-203 report				file: default.H203					
Org		Med/Tech		Ops		Plan'/Log'		Admin	
1. Incident Name		<input type="text"/>							
2. Date Prepared		<input type="text"/>							
3. Time Prepared		<input type="text"/>							
4. Oper' Period		<input type="text"/>							
Commander		<input type="text"/>							
Safety Officer		<input type="text"/>							
Information Off'		<input type="text"/>							
Liaison Officer		<input type="text"/>							
Prepared By		<input type="text"/>							
Facility		<input type="text"/>							

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-203 report		file: default.H203		
Org	Med/Tech	Ops	Plan'/Log'	Admin
Medical / Technical Specialists				
Specialist	<input type="text"/>			
Specialist	<input type="text"/>			
Specialist	<input type="text"/>			
Specialist	<input type="text"/>			
Specialist	<input type="text"/>			
Specialist	<input type="text"/>			

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-203 report		file: default.H203		
Org	Med/Tech	Ops	Plan'/Log'	Admin
Chief	<input type="text"/>			
Bus'/Cont' branch	<input type="text"/>			
Staging manager	<input type="text"/>			
Med' care branch	<input type="text"/>			
Infra' branch	<input type="text"/>			
Security branch	<input type="text"/>			
Hazmat branch	<input type="text"/>			
Other	<input type="text"/>			

HICS203 message files are distinguished by the extension "H203". Template files are assigned the extension "↔  
H203T".

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## Chapter 6

# HICS-206 messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help	
HICS-206 report						file: default.H206			
Plan		Trmnt		Staff/Trans'		Med/Supply		Sites	
Incident Name				Date Prepared		Time Prepared			
<input type="text"/>				<input type="text"/>		<input type="text"/>		<input type="text"/>	
Operational Period:				<input type="text"/>					
Preparer		<input type="text"/>				Facility		<input type="text"/>	

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-206 report		file: default.H206		
Plan	Trmnt	Staff/Trans'	Med/Supply	Sites
Location		Contact Information		
<input type="text"/>		<input type="text"/>		
Treatment area team leader		Contact Information		
<input type="text"/>		<input type="text"/>		
Special Instructions				
<input type="text"/>				

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-206 report		file: default.H206		
Plan	Trmnt	Staff/Trans'	Med/Supply	Sites
Staff				
MD/DO	<input type="text"/>			
PA/NP	<input type="text"/>			
RN/LPN	<input type="text"/>			
Tech/CN	<input type="text"/>			
Team-other	<input type="text"/>			
Transportation				
Litters	<input type="text"/>			
Portable	<input type="text"/>			
Transport	<input type="text"/>			
Wheelchairs	<input type="text"/>			
Trans'-other	<input type="text"/>			

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-206 report		file: default.H206		
Plan	Trmnt	Staff/Trans'	Med/Supply	Sites
<b>Medicines</b>				
Medicine	<input type="text"/>			
Medicine	<input type="text"/>			
Medicine	<input type="text"/>			
Medicine	<input type="text"/>			
Medicine	<input type="text"/>			
<b>Supplies</b>				
Supply	<input type="text"/>			
Supply	<input type="text"/>			
Supply	<input type="text"/>			
Supply	<input type="text"/>			
Supply	<input type="text"/>			

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-206 report		file: default.H206		
Plan	Trmnt	Staff/Trans'	Med/Supply	Sites
<b>Name</b> <input type="text"/> <b>Phone</b> <input type="text"/>				
<b>Address</b> <input type="text"/> <b>Spec care</b> <input type="text"/>				
<b>Name</b> <input type="text"/> <b>Phone</b> <input type="text"/>				
<b>Address</b> <input type="text"/> <b>Spec care</b> <input type="text"/>				
<b>Name</b> <input type="text"/> <b>Phone</b> <input type="text"/>				
<b>Address</b> <input type="text"/> <b>Spec care</b> <input type="text"/>				
<b>Name</b> <input type="text"/> <b>Phone</b> <input type="text"/>				
<b>Address</b> <input type="text"/> <b>Spec care</b> <input type="text"/>				

HICS206 message files are distinguished by the extension "H206". Template files are assigned the extension "↔H206T".

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## Chapter 7

# HICS-213 messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help	
HICS-213 report						file: default.H213			
Originator		Message/Action		Receipt 1		Receipt 2			
From		<input type="text"/>							
To		<input type="text"/>							
Date		<input type="text"/>						Time <input type="text"/>	
Received via:		<input type="checkbox"/> Phone		<input type="checkbox"/> Radio		<input type="checkbox"/> Other		Reply requested:	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
Reply to:		<input type="text"/>							
Priority		<input type="checkbox"/> Urgent - High <input type="checkbox"/> Non Urgent - Medium <input type="checkbox"/> Informational - Low							
Facility		<input type="text"/>							

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-213 report		file: default.H213		
Originator	Message/Action	Receipt 1	Receipt 2	
Message:				
<div></div>				
Action:				
<div></div>				

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-213 report		file: default.H213		
Originator	Message/Action	Receipt 1	Receipt 2	
Rec' by <input type="text"/>				
Time <input type="text"/> <input data-bbox="611 1361 647 1400" type="button" value="..."/>				
Fwd to <input type="text"/>				
Comments				
<div></div>				

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
HICS-213 report		file: default.H213		
Originator	Message/Action	Receipt 1	Receipt 2	
Rec' by <input type="text"/>				
Time <input type="text"/>		<input type="button" value="..."/>		
Fwd to <input type="text"/>				
Comments				
<div><div></div></div>				

HICS213 message files are distinguished by the extension "H213". Template files are assigned the extension "← H213T".

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## Chapter 8

# HICS-214 messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help	
HICS-214 report						file: default.H214			
Incident		Activity Log							
Incident Name		<input type="text"/>							
Date Prepared		<input type="text"/>		<input <="" td="" type="button" value="..."/> <td colspan="4"></td>					
Time Prepared		<input type="text"/>		<input <="" td="" type="button" value="..."/> <td colspan="4"></td>					
Unit Name		<input type="text"/>							
Unit leader		<input type="text"/>							
Oper' Period		<input type="text"/>							
Prepared By		<input type="text"/>							
Facility		<input type="text"/>							



## Chapter 9

# IARU messages

The user prepares, answers and views all data files from the multi-tab user interface dialog:

The screenshot shows a multi-tab user interface dialog for IARU radiograms. The title bar includes menu items: File, Form, Template, Config, and Help. The main window has a tab labeled 'IARU radiogram' and a file path 'file: default.i2s'. The form contains several input fields and controls:

- NR**: A text input field.
- PREC**: A dropdown menu currently showing 'ROUTINE'.
- STN OF ORIG**: A text input field.
- PLACE OF ORIG**: A text input field.
- FILED TIME**: A text input field followed by a browse button (...).
- FILED DATE**: A text input field followed by a browse button (...).
- CHECK**: A text input field followed by a 'ck' button.
- TO**: A large text area for the recipient's address.
- FROM**: A large text area for the sender's address.
- MESSAGE**: A large text area for the message content, with a vertical scrollbar on the right.
- RECEIVED FROM**: A text input field.
- DATE**: A text input field followed by a browse button (...).
- TIME**: A text input field followed by a browse button (...).
- SENT TO**: A text input field.
- DATE**: A text input field followed by a browse button (...).
- TIME**: A text input field followed by a browse button (...).

IARU message files are distinguished by the extension "i2s". Template files are assigned the extension "i2t".

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## Chapter 10

# ICS-203 messages


The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help									
ICS-203 report				file: default.203													
Org List		Agency		Planning		Logistics		Ops A		Ops B		OPs C		OPs D		Admin	
1. Incident Name		<input type="text"/>															
2. Date Prepared		<input type="text"/>															
3. Time Prepared		<input type="text"/>															
4. Oper' Period		<input type="text"/>															
<b>Incident Command and Staff</b>																	
Commander		<input type="text"/>															
Deputy		<input type="text"/>															
Safety Officer		<input type="text"/>															
Information Off'		<input type="text"/>															
Liaison Officer		<input type="text"/>															
Prepared By		<input type="text"/>															

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp	
ICS-203 report		file: default.203			
Org List	Agency	Planning	Logistics	Ops A	Ops B
				OPs C	OPs D
					Admin

Agency Representatives	
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>
Agency	Name
<input type="text"/>	<input type="text"/>

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp	
ICS-203 report		file: default.203			
Org List	Agency	Planning	Logistics	Ops A	Ops B
				OPs C	OPs D
					Admin

Planning Section	
Chief	<input type="text"/>
Deputy	<input type="text"/>
Resources Unit	<input type="text"/>
Situation Unit	<input type="text"/>
Documentation Unit	<input type="text"/>
Demobilization Unit	<input type="text"/>
Technical Specialist	<input type="text"/>
Technical Specialist	<input type="text"/>
Technical Specialist	<input type="text"/>

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-203 report		file: default.203		
Org List	Agency	Planning	Logistics	Ops A
				Ops B
				OPs C
				OPs D
				Admin

**Logistics Section**

Chief

Deputy

**a. Support**

Director

Supply Unit

Facilities Unit

Ground Support Unit

**b. Service**

Director

Communications Unit

Medical Unit

Food Unit

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-203 report		file: default.203		
Org List	Agency	Planning	Logistics	Ops A
				Ops B
				OPs C
				OPs D
				Admin

**Chief**


**Deputy**


**Branch I - Division/Groups**

**Branch Director**

**Deputy**

<b>Division / Group</b>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp	
ICS-203 report		file: default.203			
Org List	Agency	Planning	Logistics	Ops A	<b>Ops B</b>
OPs C					
OPs D					
Admin					
Branch II - Divisions/Groups					
Branch Director <input type="text"/>					
Deputy <input type="text"/>					
Division / Group <input type="text"/>					
Division / Group <input type="text"/>					
Division / Group <input type="text"/>					
Division / Group <input type="text"/>					
Division / Group <input type="text"/>					

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp	
ICS-203 report		file: default.203			
Org List	Agency	Planning	Logistics	Ops A	Ops B
<b>OPs C</b>					
OPs D					
Admin					
Branch III - Divisions/Groups					
Branch Director <input type="text"/>					
Deputy <input type="text"/>					
Division / Group <input type="text"/>					

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp				
ICS-203 report		file: default.203						
Org List	Agency	Planning	Logistics	Ops A	Ops B	OPs C	<b>OPs D</b>	Admin
<b>Air Operations Branch</b>								
Air Operations Br. Dir. <input type="text"/>								
Air Tactical Group Sup. <input type="text"/>								
Air Support Group Sup. <input type="text"/>								
Helicopter Coordinator <input type="text"/>								
Air Tanker / Fixed Wing Crd. <input type="text"/>								

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp				
ICS-203 report		file: default.203						
Org List	Agency	Planning	Logistics	Ops A	Ops B	OPs C	OPs D	<b>Admin</b>
<b>Finance/Admin Section</b>								
Chief <input type="text"/>								
Deputy <input type="text"/>								
Time Unit <input type="text"/>								
Procurement Unit <input type="text"/>								
Compensation / Claims Unit <input type="text"/>								
Cost Unit <input type="text"/>								

ICS203 message files are distinguished by the extension "203". Template files are assigned the extension "203T".

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## Chapter 11

# ICS-205 messages

The user prepares, answers and views all data files from the single user interface dialog:

File Form Template Config Help

ICS-205 report file: default.205

Incident Name

DT/TM Prep'  ... D/T from'  ...

D/T to  ...

Sys' / Cache	Channel	Function	Freq/Tone	Assignment	Remarks
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Preparer:

ICS205 message files are distinguished by the extension "205". Template files are assigned the extension "205T".

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## Chapter 12

# ICS-205A messages

The user prepares, answers and views all data files from the single user interface dialog:

The screenshot shows a software window titled "ICS-205A report" with a menu bar containing "File", "Form", "Template", "Config", and "Help". Below the menu bar, there is a text field displaying "file: default.25A" and a blue circular button. The main area of the window has two tabs: "Incident" (which is selected and highlighted in blue) and "Basic Info". Under the "Incident" tab, there are several input fields and buttons:

- "Incident Name" followed by a long text input field.
- "From date" followed by a date input field and a small button with three dots.
- "From time" followed by a time input field and a small button with three dots.
- "To date" followed by a date input field and a small button with three dots.
- "To time" followed by a time input field and a small button with three dots.
- "Prepared by" followed by a text input field.
- "Position" followed by a text input field.
- "Date/Time" followed by a text input field.

The bottom portion of the window is a large, empty gray rectangular area.

File Form Template Config Help		
ICS-205A report		file: new.25A
Incident Basic Info		
Assignment	Name	Method of Contact

ICS205A message files are distinguished by the extension "25A". Template files are assigned the extension "25T".

This optional form is used in conjunction with the Incident Radio Communications Plan, ICS 205. Whereas the ICS 205 is used to provide information on all radio frequencies down to the Division/Group level, the Communications List, ICS 205A, lists methods of contact for personnel assigned to the incident (radio frequencies, phone numbers, pager numbers, etc.), and functions as an incident directory.

1. Incident Name Enter the name assigned to the incident.
2. Operational Period Enter the time interval for which the form applies.
3. Basic Local Comms Enter the communications methods assigned and used for each Information assignment.  
Assignment: Enter the ICS Organizational assignment.  
Name: Enter the name of the contact person for the assignment.  
Contact Method(s): Enter the radio frequency, telephone number(s), etc. for each assignment.
4. Prepared By Enter the name of the Communications Unit Leader preparing the form. Date/Time Enter date (month, day, year) and time prepared (24-hour clock).

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## Chapter 13

### ICS-206 messages

The user prepares, answers and views all data files from the multi-tab user interface. This is a very large form with many repeating entry lines.

<u>F</u> ile <u>F</u> orm <u>T</u> emplate <u>C</u> onfig <u>H</u> elp		
ICS-206 report		file: default.206
<b>Med Plan</b> Transport   Ambulance   Hospital   Med' Proc'		
Incident Name	Date Prepared	Time Prepared
<input type="text"/>	<input type="text"/> 12 ...	<input type="text"/> ...
Operational Period: <input type="text"/>		
Medical Aid Stations	Location	Paramedics
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
Preparer	<input type="text"/>	Reviewer <input type="text"/>

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-206 report		file: default.206		
Med Plan	Transport	Ambulance	Hospital	Med' Proc'
<b>Ambulance Services</b>				
Service Name	Address	Phone	Paramedics	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-206 report		file: default.206		
Med Plan	Transport	Ambulance	Hospital	Med' Proc'
<b>Indicent Ambulances</b>				
Name	Location	Paramedics		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>		
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>		

File		Form		Template		Config		Help	
ICS-206 report				file: default.206					
Med Plan		Transport		Ambulance		Hospital		Med' Proc'	
Hospitals									
Name		Address				Phone			
<input type="text"/>		<input type="text"/>				<input type="text"/>			
Travel Time Air:		<input type="text"/>	Gnd		<input type="text"/>	<input type="checkbox"/> Helipad		<input type="checkbox"/> Burn center	
<input type="text"/>		<input type="text"/>				<input type="text"/>			
Travel Time Air:		<input type="text"/>	Gnd		<input type="text"/>	<input type="checkbox"/> Helipad		<input type="checkbox"/> Burn center	
<input type="text"/>		<input type="text"/>				<input type="text"/>			
Travel Time Air:		<input type="text"/>	Gnd		<input type="text"/>	<input type="checkbox"/> Helipad		<input type="checkbox"/> Burn center	
<input type="text"/>		<input type="text"/>				<input type="text"/>			
Travel Time Air:		<input type="text"/>	Gnd		<input type="text"/>	<input type="checkbox"/> Helipad		<input type="checkbox"/> Burn center	
<input type="text"/>		<input type="text"/>				<input type="text"/>			
Travel Time Air:		<input type="text"/>	Gnd		<input type="text"/>	<input type="checkbox"/> Helipad		<input type="checkbox"/> Burn center	

File		Form		Template		Config		Help	
ICS-206 report				file: default.206					
Med Plan		Transport		Ambulance		Hospital		Med' Proc'	
<div><div>I</div><div></div></div>									

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## Chapter 14

# ICS-213 messages

The user prepares, answers and views all data files from the single user interface dialog:

The screenshot shows a software window titled "ICS-213 report" with a menu bar containing "File", "Form", "Template", "Config", and "Help". Below the menu bar, there is a text field containing "file: default.213" and a blue circular button. The main area of the window is divided into two tabs: "Originator" (which is selected and highlighted in blue) and "Responder". Under the "Originator" tab, there are several input fields: "To" and "Pos." on the first line, "Fm" and "Pos." on the second line, and "Sub." on the third line. Below these is a "Message:" label followed by a large text area for the message content. To the right of the message area, there are "Date" and "Time" fields, each with a calendar icon and a dropdown arrow. At the bottom of the window, there are "Sig." and "Pos." fields.

File		Form		Template		Config		Help	
ICS-213 report						file: default.213			
Originator					Responder				
To					Pos.				
Fm					Pos.				
Sub.									
Message:					Date			Time	
Sig.					Pos.				

ICS213 message files are distinguished by the extension "f2s". Template files are assigned the extension "f2t". The data file for this example "MedEm\_001.f2s" contains:

```
===== file contents =====
<flmsg>1.0.0b1
<to:5 k2lbn
<p1:0
<fm:5 w1hkj
<p2:0
<d1:10 2009-09-29
<t1:9 00:03 UTC
<sb:29 Situation Report - F3 tornado
<s1:11 Dave Freese
<p3:16 On scene manager
<s2:12 Helen Freese
<p4:11 Coordinator
<d2:10 2009-09-29
<t2:9 00:22 UTC
<mg:211 1. # injured 4
2. # casualties 2
3. # displaced 30
4. Available doctors 1
5. Available nurses 2
6. Request:
  a. shelter 30
  b. morgue transport 2
  c. ambulance transport 4, from Hazel Green UMC to City Hosp.

<rp:100 Expect ambulance by 03:00 UTC
Coronor pickup by 08:00 UTC
Shelter ready at Hazel Green High School.
===== file contents =====
```






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## Chapter 15

# ICS-214 Unit Log

The user prepares, answers and views all data files from the multi-tab user interface dialog:

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-214 report		file: default.214		
Incident	Roster	Activity Log		
Incident Name	<input type="text"/>			
Date Prepared	<input type="text"/>			
Time Prepared	<input type="text"/>			
Unit Name	<input type="text"/>			
Unit leader	<input type="text"/>			
Oper' Period	<input type="text"/>			
Prepared By	<input type="text"/>			

File Form Template Config Help		
ICS-214 report		file: default.214
Incident	Roster	Activity Log
Name	ICS Position	Home Base

File Form Template Config Help	
ICS-214 report	
file: default.214	
Incident	Roster
Activity Log	
Time	Major Events

ICS214 message files are distinguished by the extension "214". Template files are assigned the extension "214T".

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## Chapter 16

# ICS-216 Radio Requirements Worksheet

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		Help	
ICS-216 report						file: default.216			
Incident		Div-Grp 1		Div-Grp 2		Div-Grp 3		Div-Grp 4	
1. Incident Name		<input type="text"/>							
2. Date		<input type="text"/>		<input <="" td="" type="button" value="..."/> <td colspan="4"></td>					
3. Time		<input type="text"/>		<input <="" td="" type="button" value="..."/> <td colspan="4"></td>					
4. Branch		<input type="text"/>							
5. Agency		<input type="text"/>							
6. Oper' Period		<input type="text"/>							
7. Tac' Freq'		<input type="text"/>							
Prepared By		<input type="text"/>							

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
ICS-216 report		file: default.216		
Incident	Div-Grp 1	Div-Grp 2	Div-Grp 3	Div-Grp 4
Division/Group				
Agency				
Agency	ID No.	Radio Requirements		

ICS216 message files are distinguished by the extension "216". Template files are assigned the extension "216T".

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## Chapter 17

# ICS-309 Radio Incident Communicaions Log

The user prepares, answers and views all data files from the multi-tab user interface dialog:

File		Form		Template		Config		AutoSend		Help	
ICS-309 report						file: default.309					
Incident						Communications Log					
Incident Name <input type="text"/>											
Radio Operator <input type="text"/>											
From: date				<input type="text"/>		...		time		<input type="text"/>	
To: date				<input type="text"/>		...		time		<input type="text"/>	
Net <input type="text"/>											
Prepared by <input type="text"/>											
Date/Time				<input type="text"/>		...					
<input type="checkbox"/> Comp <input type="text" value="base64"/> <input type="text" value="DOMX22"/> *											

File Form Template Config AutoSend Help			
ICS-309 report		file: default.309	
Incident		Communications Log	
Time	From	To	Message
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			
..			

☐ Comp base64 DOMX22 \*

IC309 message files are distinguished by the extension "309". Template files are assigned the extension "309T".




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## Chapter 18

# MARS Daily message

The user prepares, and edits from either the MARS Daily tabs

File				Form				Template				Config				Help																																															
MARS daily report												file: default.mds																																																			
Header																Body																																															
INCIDENT																<input type="text"/>																																															
DE																<input type="text"/>																ME				MSG NBR				<input type="text"/>																							
PREC																				DTG				<input type="text"/>																																							
FM																<input type="text"/>																<input type="text"/>																<input type="checkbox"/>				List											
TO																<input type="text"/>																<input type="text"/>																<input type="checkbox"/>				List											
INFO1																<input type="text"/>																<input type="text"/>																<input type="checkbox"/>				List											
INFO2																<input type="text"/>																<input type="text"/>																<input type="checkbox"/>				List											
INFO3																<input type="text"/>																<input type="text"/>																<input type="checkbox"/>				List											
SUBJECT																<input type="text"/>																<input type="text"/>																															

File		Form		Template		Config		Help	
MARS daily report				file: default.mds					
Header		Body							
1.	<input type="text"/>								
2.	<input type="text"/>	List	X	▼	E/X				
3.	<input type="text"/>			<input type="text"/>			<input type="text"/>		
A.	<input type="text"/>								
B.	<input type="text"/>								
4.	<input type="text"/>								
5.	<input type="text"/>								

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## Chapter 19

# MARS IN/EEI message

The user prepares, and edits from either the MARS IN/EEI tabs:

The screenshot shows a software window titled "MARS IN/EEI report" with a menu bar (File, Form, Template, Config, Help) and a file path "file: default.mis". Below the menu bar are two tabs: "Header" (selected) and "Body". The "Header" tab contains the following fields and controls:

- DE: A text input field.
- ME: A button.
- MSG NBR: A text input field.
- PREC: A dropdown menu.
- DTG: A text input field.
- ...: A button.
- FM: A text input field.
- TO: A text input field.
- INFO: A text input field.
- INFO: A text input field.
- INCIDENT: A text input field.

Each of the four input fields (FM, TO, INFO, INFO) is followed by a "List" button. The "Body" tab is currently empty.

File		Form		Template		Config		Help	
MARS IN/EEI report						file: default.mis			
Header		Body							
1.	REF			ST					
A.	INC			LOC			TIME		
B.	MED								
C.	TRNS								
D.	DMG								
E.	UTIL								
F.	COMM								
G.	INFO				TIME				
H.	Remarks								

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## Chapter 20

# MARS message

The user prepares, and edits from either the MARS Army or the MARS Navy tab:

The screenshot shows a software window titled "MARS Army message" with a file path "file: default.nas". The window has a menu bar with "File", "Form", "Template", "Config", and "Help". Below the menu bar are two tabs: "Header" (selected) and "Body". The "Header" tab contains several input fields and buttons: "DE" followed by a text box, a "ME" button, "NR" followed by a text box, "PREC" followed by a dropdown menu showing "M", and "DTG" followed by a text box and a "...". Below these are three stacked text boxes, each preceded by a button: "FM", "TO", and "INFO". At the bottom is a "SUBJ" label followed by a text box. The "TO" and "INFO" text boxes have vertical scrollbars on their right sides.

The screenshot shows a software window titled "MARS Army message" with a file path "file: default.nas". The window has a menu bar with "File", "Form", "Template", "Config", and "Help". Below the menu bar are two tabs: "Header" and "Body", with "Body" being the active tab. The main area is a large text editor with a vertical scrollbar on the right. A yellow callout box with the text "enter text of message" points to the text area. A cursor is visible at the top left of the text area.

Both use a common body for the text of the message.

The principal difference is in the assignment of message precedence.

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## Chapter 21


# MARS Net message

The user prepares, and edits from either the MARS Net tabs:

The screenshot shows a software window titled "MARS Net report" with a menu bar containing "File", "Form", "Template", "Config", and "Help". Below the menu bar, the text "file: default.mns" is displayed. The window has two tabs: "Header" (selected) and "Body". The "Header" tab contains the following fields and controls:

- DE: A text input field.
- ME: A button.
- MSG NBR: A text input field.
- PREC: A dropdown menu.
- DTG: A text input field.
- ...: A button.
- FM: A text input field.
- TO: A text input field.
- INFO: A text input field.
- INCIDENT: A text input field.
- NET REPORT: A text input field.

Each of the FM, TO, and INFO fields is followed by a "List" button. The window has a standard Windows-style title bar and a blue circular icon in the top right corner.

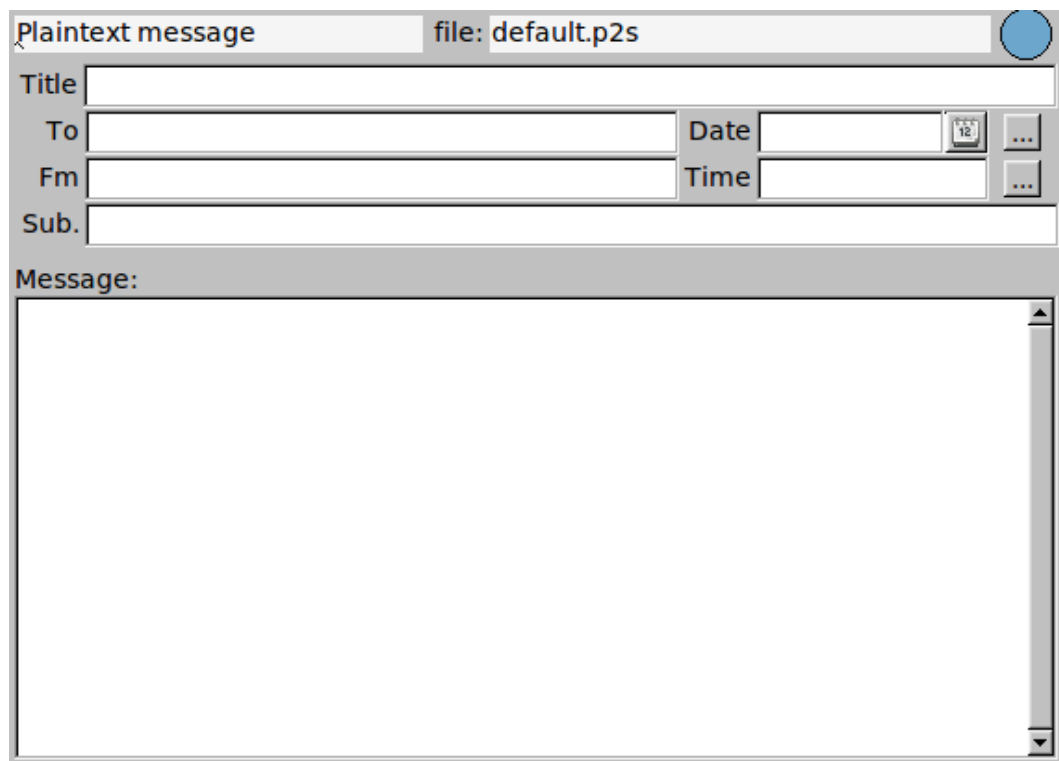
File		Form		Template		Config		Help	
MARS Net report				file: default.mns					
Header		Body							
1.	<input type="text"/>	List							
2.	<input type="text"/>	...		<input type="text"/>	...				
3.	<input type="text"/>								
4.	<input type="text"/>	List							
5.	<input type="text"/>							<input type="button" value="Add Call"/>	
<input type="text"/>									
6.	N/A								
7. A.	<input type="text"/>								
B.	<input type="text"/>								

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## Chapter 22

### Plain text (general) messages

The user prepares and views all data files from the single user interface dialog:



The image shows a graphical user interface window titled "Plaintext message". The window has a title bar with the text "file: default.p2s" and a blue circular icon on the right. Below the title bar, there are several input fields and buttons. The fields are labeled "Title", "To", "Fm", "Sub.", "Date", and "Time". The "Date" and "Time" fields have small calendar and clock icons next to them. Below these fields is a large text area labeled "Message:". The text area is empty and has a vertical scrollbar on the right side.

Title			
To		Date	
Fm		Time	
Sub.			
Message:			



## Chapter 23

# Radiogram message

The user prepares, and edits from the Radiogram tab:

The screenshot shows a software window titled "ARRL radiogram" with a menu bar (File, Form, Template, Config, Help) and a file path "file: default.m2s". Below the menu bar are two tabs: "Message" (selected) and "Records". The form contains several input fields and buttons:

- SVC**: A checkbox.
- \*NR**: A text input field.
- \*PREC**: A dropdown menu with "ROUTINE" selected.
- HX\_\_**: A text input field.
- \*STN ORIG**: A text input field.
- CK**: A text input field with a "ck" button next to it.
- PLACE OF ORIG**: A text input field.
- TIME FILED**: A text input field with a "..." button.
- \*MON DY**: A text input field with a "..." button.
- \*TO**: A large text input area.
- TEL:**: A text input field.
- OP NOTE:**: A text input field.
- TEXT:**: A large text input area with a scrollbar.
- SIG:**: A text input field.
- OP NOTE:**: A text input field.
- ARRL MSG**: A button.

The CK value will be computed for you when the data is saved or a text document created for printing or transmission. You can also force a CK by pressing the "ck" button.

ARRL message creation is aided by a dialog which is exposed when the ARL MSG button is pressed

ARL #	Message:
ONE	Everyone safe here. Please don't worry.
TWO	
THREE	
FOUR	
FIVE	
SIX	
fill 1:	
fill 2:	
fill 3:	
fill 4:	
<input type="checkbox"/> Insert "X" between fields <span style="float: right;"> <input type="button" value="Cancel"/> <input type="button" value="Add"/> </span>	

The number of "fill" edit entries will vary with the requirement of the selected ARL message. Multiple ARL messages may be inserted into the Message text.

Pressing the Check button on the maint Radiogram tab will force all of the fields to be tested for correctness. The Message text will be converted to upper case, the leading and trailing spaces and end-of-line characters removed. Periods and commas will be converted to the stop character character, 'X', unless they are an integral part of a word, such as NBEMS.files. The precedence and handling fields are fixed to the selector values. You may optionally elect to insert X between each field. This might help to increase readability of long fields with multiple words.

The records tab contains data relevant to the transmission and receipt of the message:

File Form Template Config Help			
ARRL radiogram		file: default.m2s	
<div> <div>Message</div> <div>Records</div> </div>			
RCVD FM:		NET:	DT/TM
SENT TO:		NET:	DT/TM
ORIG - FM - DATE/TIME			DT/TM
Name/Addr/City/Tel			
DLVD -TO - DATE/TIME			DT/TM
Name/Addr/City/Tel			

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## Chapter 24

# Red Cross On Site Detailed Damage Assessment Worksheet

The user prepares, answers and views all data files from the multi-tab user interface dialog:

The screenshot shows a software window titled "On-Site Detailed Damage Assessment" with a menu bar containing "File", "Form", "Template", "Config", and "Help". Below the menu bar is a tab bar with tabs labeled "5739-1", "5739-2", "# 1", "# 2", "# 3", "# 4", "# 5", "# 6", "# 7", "# 8", "# 9", and "# 10". The "5739-1" tab is selected. The main area contains the following fields:

- DR #
- DR Name
- State
- County
- City
- Street
- Geo' Ref'
- Date
- Add' Info
- Worker
- Supervisor

File	Form	Template	Config	Help
On-Site Detailed Damage Asse				file: default.39s
5739-1	5739-2	# 1	# 2	# 3
# 4	# 5	# 6	# 7	# 8
# 9	# 10			
<b>Damage totals</b>				
SF destroyed	MH destroyed	Apt destroyed		
<input type="text"/>	<input type="text"/>	<input type="text"/>		
SF major	MH major	Apt major		
<input type="text"/>	<input type="text"/>	<input type="text"/>		
SF minor	MH minor	Apt minor		
<input type="text"/>	<input type="text"/>	<input type="text"/>		
SF affected	MH affected	Apt affected		
<input type="text"/>	<input type="text"/>	<input type="text"/>		
SF inacc'	MH inacc'	Apt inacc'		
<input type="text"/>	<input type="text"/>	<input type="text"/>		

File	Form	Template	Config	Help
On-Site Detailed Damage Asse				file: default.39s
5739-1	5739-2	# 1	# 2	# 3
# 4	# 5	# 6	# 7	# 8
# 9	# 10			
<b>Damage Classification</b>				
House nbr		Apt nbr		
<input type="text"/>		<input type="text"/>		
Destroyed	Major	Minor	Affected	Inacc'
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
# Floors	Basement ?			
<input type="text"/>	<input type="checkbox"/>			
Water level	W.L. in base'			
<input type="text"/>	<input type="text"/>			
Elect'?	Occ. Type	OR	901	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Description:				
<input type="text"/>				
Name:				
<input type="text"/>				

There are 10 Damage Classification sub forms, all are identical.

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## Chapter 25

# Red Cross Detailed Damage Assessment Supplemental Worksheet

The user prepares, answers and views all data files from the multi-tab user interface dialog:

The screenshot shows a multi-tab user interface for the Red Cross Detailed Damage Assessment Supplemental Worksheet. The interface has a menu bar with 'File', 'Form', 'Template', 'Config', and 'Help'. Below the menu bar is a tab bar with 'DR data', 'Area-1', and 'Area-2'. The 'DR data' tab is selected. The main area displays the 'Red Cross Form 5739A' with the following fields:

- DR #
- DR Name
- State
- County
- City
- Date
- Street
- Geo. Ref.

<u>F</u> ile <u>F</u> orm <u>T</u> emplate <u>C</u> onfig <u>H</u> elp	
Detailed Damage Assessment : file: default.3as	
DR data	Area-1   Area-2
range of address #'s	<input type="text"/>
# affected dwellings	<input type="text"/>
Basements y/n?	<input type="text"/>
Destroyed %	<input type="text"/>
Major damage %	<input type="text"/>
Minor damage %	<input type="text"/>
Affected %	<input type="text"/>
Inaccessible %	<input type="text"/>
Unknown/None %	<input type="text"/>
General desc.	<input type="text"/>

Area-2 Assessment worksheet is identical to Area-1

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## Chapter 26

# Red Cross Area Assessment Worksheet

The user prepares, answers and views all data files from the multi-tab user interface dialog:

The screenshot shows a software window titled "Area Assessment Worksheet" with a menu bar containing "File", "Form", "Template", "Config", and "Help". Below the menu bar is a tabbed interface with two tabs: "DR data" (selected) and "Area". The main content area is titled "Red Cross Form 5739B" and contains the following fields:

- DR #
- DR Name
- State
- County
- City
- Date
- Geo. Ref.
- Boundaries, North:
- West:  East:
- South:

<u>F</u> ile <u>F</u> orm <u>T</u> emplate <u>C</u> onfig <u>H</u> elp	
Area Assessment Worksheet   file: default.3bs	
DR data <b>Area</b>	
# affected dwellings	<input type="text"/>
Destroyed %	<input type="text"/>
Major damage %	<input type="text"/>
Minor damage %	<input type="text"/>
Affected %	<input type="text"/>
Inaccessible %	<input type="text"/>
Unknown/None %	<input type="text"/>
Basements?	<input type="text"/>
General info:	<input type="text"/>

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## Chapter 27

# Red Cross Safety and Welfare message

The user prepares, and edits from either the Red Cross Safety - Welfare tabs:

The screenshot shows a software window titled "Red Cross Safety & Welfare" with a menu bar (File, Form, Template, Config, Help) and a toolbar (file: default.sws). Below the toolbar are tabs: "Respondee" (selected), "Msgs-1", "Msgs-2", and "Msgs-3". The form contains the following fields:

- Lname [ ] Fname [ ]
- ☐ No phone #
- Phone #1 [ ][ ][ ] Phone #2 [ ][ ][ ] Phone #3 [ ][ ][ ]
- Pre disaster address:
  - Addr line 1 [ ]
  - Addr line 2 [ ]
  - City [ ][ ][ ]
- Current home address:
  - Addr line 1 [ ]
  - Addr line 2 [ ]
  - City [ ][ ][ ]

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
Red Cross Safety & Welfare		file: default.sws		
Respondee	Msgs-1	Msgs-2	Msgs-3	

☐ I am safe and well.

☐ Family and I are safe and well.

☐ Currently at shelter.

☐ Currently at home.

☐ Currently at friend / family / neighbor's.

☐ I am evacuating to the house of a family member / friend.

☐ Will make phone call when able.

<u>F</u> ile	<u>F</u> orm	<u>T</u> emplate	<u>C</u> onfig	<u>H</u> elp
Red Cross Safety & Welfare		file: default.sws		
Respondee	Msgs-1	Msgs-2	Msgs-3	

☐ Will email when able.

☐ Will mail letter / postcard when able.

☐ I am safe and in the process of evacuating.

☐ I have evacuated and I am safe.

☐ I am evacuating to a shelter.

☐ I am currently at a hotel.

☐ I am currently remaining at home.

The screenshot shows a software window with a menu bar containing 'File', 'Form', 'Template', 'Config', and 'Help'. Below the menu bar, the title 'Red Cross Safety & Welfare' is displayed next to a file path 'file: new.sws'. A tabbed interface below the title bar shows three tabs: 'Respondee', 'Msgs-1', and 'Msgs-2', with 'Msgs-3' being the active tab. The main content area of the 'Msgs-3' tab is titled 'Custom message:' and contains a large, empty text box with a vertical scrollbar on the right side.

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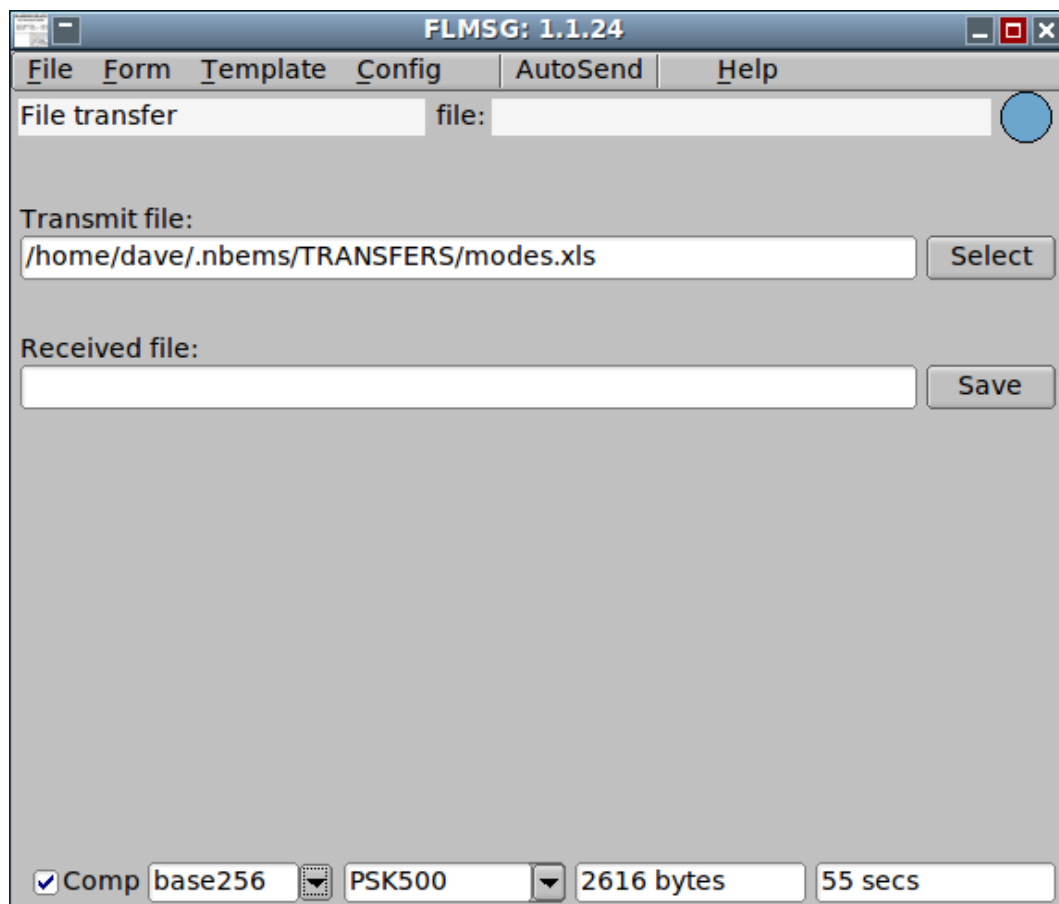
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## Chapter 28

# Transfer file

File transfers can be accomplished with or without compression and base-64 / 128 / 256 encoding.



The screenshot shows a window titled "FLMSG: 1.1.24" with a menu bar containing "File", "Form", "Template", "Config", "AutoSend", and "Help". Below the menu bar, there is a "File transfer" tab and a "file:" label followed by a text input field. The main area of the window is divided into two sections: "Transmit file:" and "Received file:". The "Transmit file:" section has a text input field containing "/home/dave/.nbems/TRANSFERS/modes.xls" and a "Select" button. The "Received file:" section has an empty text input field and a "Save" button. At the bottom of the window, there is a status bar with a checked "Comp" checkbox, a "base256" dropdown menu, a "PSK500" dropdown menu, a "2616 bytes" text field, and a "55 secs" text field.

FLMSG: 1.1.24

File Form Template Config AutoSend Help

File transfer file:

Transmit file:

/home/dave/.nbems/TRANSFERS/modes.xls Select

Received file:

Save

☒ Comp base256 PSK500 2616 bytes 55 secs

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