



Using the SEMA Resource Request Data Input Form

Rev.11-29-2015 WØKAH

Why a New Form???

- SEMA is requiring a Resource Request Form that is compatible with WebEOC.
- If the internet is not available, Amateur Radio will be the mode of communication to SEMA for Resource Requests.
- A standard form is needed that will be usable in both voice and digital radio communications and be easily transferred to WebEOC.
- For digital <u>transmission</u>, small file size is paramount so PDF and HTML files are out.

SEMA Resource Request Form

To save the form data for digital transmission, Flmsg must be used and Submit Form button MUST be clicked.

Message No	Originating	Place of Origin	Time Filed	Destination
Plessage No.	Station	Trace of origin	Time Flieu	Destination
	Л	Л	ЦИ.	
	Reso	urce Request	Data Input l	Form
Request -	Limit 50 Char.	·····	Ori	ginating Agency
{Miss	sion Name}	Date Ti	ne Reported	Id Number
		2. 3.	4.	
	Requesting Official N	lame		
	and Contact Info)	Request - De	tailed Description
	{Requestor Contact I	info}	RE	EF Box 1
			(20 W	/ords MAX)
		6.		
		/i		
		Resource l	Details	
equest Prio	rity (Precedenc	e)		
equest Prio	rity (Precedence mediate (A) Priority	:e) (B) Routine (C) Long-1	Cerm (D) Extended (I	E)
equest Prio Life Safety/Im (4 hi	rity (Precedence mediate (A) Priority rs) (12 h	:e) 7 (B) Routine (C) Long-T r) (24 hrs) (96	Cerm (D) Extended (I 5 hrs) (over 96 hr	E) s)
equest Prio Life Safety/Im (4 hi	rity (Precedence mediate (A) Priority rs) (12 h A D H	:e) 7 (B) Routine (C) Long-1 r) (24 hrs) (96 3 C C	Ferm (D) Extended (I 5 hrs) (over 96 hr D E	E) s)
equest Prio Life Safety/Im (4 hr Source National Life Safety/Im	rity (Precedence mediate (A) Priority (s) (12 h A D H me (what are vo	:e) 7 (B) Routine (C) Long-7 r) (24 hrs) (96 B C (0 0 u requesting)	Cerm (D) Extended (I 5 hrs) (over 96 hr D E	E) s)
equest Prio Life Safety/Im (4 hr B esource National ease select your	rity (Precedend mediate (A) Priority (12 h A	(B) Routine (C) Long-7 (r) (24 hrs) (96 (3) C (4) C (5) C (7) C <t< td=""><td>Cerm (D) Extended (I 5 hrs) (over 96 hrs D E</td><td>E) s)</td></t<>	Cerm (D) Extended (I 5 hrs) (over 96 hrs D E	E) s)
equest Prio Life Safety/Im (4 hr esource National ease select your	rity (Precedend mediate (A) Priority (12 h A Priority (12 h) (12 h)	(B) Routine (C) Long-7 (r) (24 hrs) (96 (3) C (4) C (5) C (7) C <t< td=""><td>Ferm (D) Extended (I 5 hrs) (over 96 hr D E</td><td>E) s)</td></t<>	Ferm (D) Extended (I 5 hrs) (over 96 hr D E	E) s)
equest Prio Life Safety/Im (4 hr esource Nat ease select your Deliver To Loca	rity (Precedend mediate (A) Priority (12 h A Priority (12 h) (12	(B) Routine (C) Long-7 (r) (24 hrs) (96 (3) C (9) Routine (C) Long-7 (9) C (10) C<	Ferm (D) Extended (I 5 hrs) (over 96 hr D E 5 b E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedend mediate (A) Priority (12 h A Priority (12 h) (12	(B) Routine (C) Long-7 (r) (24 hrs) (96 (24 hrs) (96 (10) C (10) C (11) C (12) C	Ferm (D) Extended (I 5 hrs) (over 96 hr D E 5 b E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority (12 h A Priority (12 h) (12 h)	(B) Routine (C) Long-7 (r) (24 hrs) (96 (24 hrs) (96 (100 C) C (100 C) C <td>Ferm (D) Extended (I 5 hrs) (over 96 hrs D E E</td> <td>E) s) fo:</td>	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority (12 h A Priority A Priority A Priority A Priority (what are your r Resource: 8. Other ation, and POC if diffe	(E) Routine (C) Long-7 (r) (24 hrs) (96 (90 C (90 (10) C (90 (20) C (90 (24) C (90	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority (12 h A P me (what are your r Resource: 8. Other ation, and POC if diffe	 (E) Routine (C) Long-7 (C) (24 hrs) (96) C (C) (0) C<	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority 's) (12 h A P me (what are you' r Resource: 8. Other ation, and POC if diffe	 (E) Routine (C) Long-7 (C) (24 hrs) (96 (C) (96 (G) (96	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority 's) (12 h A P me (what are you' r Resource: 8. Other ation, and POC if diffe	(C) Routine (C) Long-7 (C) Routine (C) Long-7 (C) (24 hrs) (96 (C) C (C) C	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedence mediate (A) Priority 's) (12 h A P me (what are you' r Resource: 8. Other ation, and POC if diffe	 (E) Routine (C) Long-7 (24 hrs) (96 C C	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E	E) s) fo:
equest Prio Life Safety/Im (4 hr esource Nai ease select your Deliver To Loca	rity (Precedend mediate (A) Priority (12 h A Priority (12 h) (12	(E) Routine (C) Long-7 r) (24 hrs) (96 C C Our equesting) erent from Box 5. Requesting v you are VERY sure of w	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E 5 ting Official Contact In 6 hat you are selecting,	E) s) fo:
equest Prio Life Safety/Im (4 hi esource Nai ease select you Deliver To Loca	rity (Precedend mediate (A) Priority (12 h A IF me (what are your r Resource: 8. Other ation, and POC if differ New Request unless us: 10. New Request	(E) Routine (C) Long-7 (F) (24 hrs) (96) (G) C (G) (G) (G) (G) (G) U requesting) (G) (G) (G) U requesting) (G) (G) U requesting) (G) (G) U requesting) (G) (G) U requesting) (G) (G) U requesting (G)	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E sting Official Contact In hat you are selecting,	E) s) fo:
equest Prio Life Safety/Im (4 hi ease select your Deliver To Loca atus: Should be ease select Stat	rity (Precedend mediate (A) Priority (12 h A IF me (what are your r Resource: 8. Other ation, and POC if differ New Request unless us: 10. New Request	(E) Routine (C) Long-7 (F) (24 hrs) (96 (C) C (Our equesting) (F) (24 hrs) (96 (C) (14 hrs) (96 (C) (14 hrs) (96 (C) (14 hrs) (Ferm (D) Extended (I 5 hrs) (over 96 hrs D E sting Official Contact In hat you are selecting,	E) s) fo:
equest Prio Life Safety/Im (4 hi ease select your Deliver To Loca atus: Should be ease select Stat	rity (Precedend mediate (A) Priority (12 h A IF me (what are your r Resource: 8. Other ation, and POC if differ New Request unless us: 10. New Request	(E) Routine (C) Long-7 (F) (24 hrs) (96 (C) C (Our equesting) (P) (24 hrs) (96 (C) (14 hrs) (96 (C) (14 hrs) (96 (C) (14 hrs) (Ferm (D) Extended (I 5 hrs) (over 96 hrs D E Sting Official Contact In hat you are selecting,	E) s)
equest Prio Life Safety/Im (4 hi esource Nai ease select you Deliver To Loca atus: Should be ease select Stat	rity (Precedend mediate (A) Priority 's) (12 h A P me (what are your r Resource: 8. Other ation, and POC if diffe us: 10. New Request us: 10. New Request	(E) Routine (C) Long-7 (F) (24 hrs) (96 (C) C (Our equesting) (P) (24 hrs) (96 (C) (14 hrs) (96	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E 5 ting Official Contact In hat you are selecting.	E) s) fo:
equest Prio Life Safety/Im (4 hi esource Nai ease select you Deliver To Loca atus: Should be ease select Stat nateur Radio U Acknowledgin	rity (Precedend mediate (A) Priority (12 h A IF me (what are your r Resource: 8. Other ation, and POC if differ New Request unless us: 10. New Request se Only g WebEC	(E) Routine (C) Long-7 (F) (24 hrs) (96 (C) C (Ou requesting) (P) (24 hrs) (96 (C) (24 hrs) (96	Ferm (D) Extended (I 5 hrs) (over 96 hrs D E Sting Official Contact In hat you are selecting, bEOC	E) s) fo:

Submit Form

MO DPS RReq v1.1.0 5/11/2015

Using the Form

- The form is an HTML file that can be opened in any browser. (IE, Chrome, Firefox, etc.
- The form can be printed after the information is filled in the appropriate fields. <u>To save the form</u> <u>data for digital transmission, Flmsg must be used</u> <u>and Submit button MUST be clicked.</u>
- The form, along with Flmsg will be available on the MO ARES website for downloading by amateur operators. (See Installation Addendum)
- SEMA will distribute the form to all State EOCs and organizations that will be sending requests to SEMA for resources.

Using the Form

- When a resource is to be requested from SEMA, the originating Served Agency will fill out the form and provide it to the originating communicator, usually as a paper form.
- The originating communicator will only fill out the header when the message is sent via voice or digital radio. The communicator is <u>not</u> responsible for filling information in Boxes 1 – 10. If boxes 1 – 10 are not complete, the form should be returned for clarification before sending to SEMA.
- Assure requested resource from dropdown list Box 8 is selected.
- For digital radio, the communicator will need to use Flmsg and fill out the form using provided information from the paper version, then save the digital form using <u>Submit Form button</u>.

Transmitting the Form – Voice

- After establishing communication with a SEMA voice receiving station, the form information will be passed.
 - Send the header information and break for form.
 - Send Boxes 1 through 5. Spoken format would be "Box 1 – Generator", "Box 2 – July 2, 2014", "Box 3 – 20:00 Hours", "Box 4 – W0ABC", "Box 5 – NNNNNN", break for further.
 - Send the balance of the boxes. Break after the larger information boxes. (i.e. 5,6,& 9). Priority Box 7 is sent simply as "Box 7 – Alpha" or whatever priority box is checked.

Receiving the Form – Voice

- The receiving station should open a blank form or have a printed blank form.
- Fill in the appropriate box as sent by the transmitting station.
- Acknowledge receipt after each break
- When transmission is complete, save or print the form.
- Give/send the form to a SEMA official.

Digital Transmission

- Digital transmission by both Winlink and Fldigi utilize an electronic version of the form managed by Flmsg. FLMSG: 20.10 - "
- Must have v2.0 or newer of Flmsg
- From Flmsg, select Form, Custom, RReqvx.y where x.y is the latest version of the form

6776. 0 270	FLMSG: 2.0.10	-	×
File	Form Template Config AutoSend Help		
<u>Custo</u>	Drag-n-Drop I file: new.k2s Blank CAP • View Form		0
CUSTO MesNu Orig3 PlOr: TimF: Dest3 IReq, Ddat6 Trpt0 Oaid, Ronc: DDre0 DelT0 AckCa WEOCI WEOCI Rpril Rpril Rpril	CSV Transfer FORM HICS ARMFweocAL-v1.00 LARU ICS RDA_Input_201a MARS RReqv1.1.0 Plaintext Radiogram Red Cross Transfer Weather All, IR, DF, IF, LSI, PRI, ROU.		
C	omp base64 💌 (PSK500RC4 💌 *		

Digital Transmission

- Next select Edit Form, your default browser will open to display the form, fill it out adding your info
- in the header and the remainder as provided by the served agency.
- <u>Click Submit</u>, that saves the form data for transmission by radio.

427%-10 220				FLMSG	: 2.0.10			×
File	F <u>o</u> rm	Template	Config	Autos	Send	Help		
Custo	m Edita	ble Html		file: new	.k2s			
		(Edit F	orm	V	iew Form)	
CUSTO	OM FOR	M,RRegv1.1	.0.html					
MesNu	um,							
Orig	Sta,							
Plor:	ig,							
TimF:	il,							
Dest	Sta,							
IReq,	,							
Ddate	e,							
Trpto	d,							
Oaid,	,							
Ronci	i,							
DDred	q,							
DelTo	oLoc,							
AckCa	all,							
WEOC	TR,							
WEOCI	DF,							
WEOC	TF,							
Rpril	LSI,							
Rpril	PRI,							
RDril	KOU.							
	omp b	ase64	PSK5	00RC4	• •			

Digital Transmission – Fldigi

Sending by radio using Fldigi (must already be running), click AutoSend and Flmsg will ask if you'd like to save the form, then send the data. Save it if you haven't already!

Po curo to		Save data file		Save data file						
De Sule lo	🔄 🏵 🔻 🕇 퉬 « FL_	APPS → NBEMS.files → ICS → messages	✓ C Search	n messages		Q				
agree on	Organize 🔻 New folder	r				0				
frequency,	📜 Desktop 🔥	Name	Date modified	Туре		Size				
mode and	Documents	W0KAH-01172015A.k2s	1/17/2015 1:02 PM	K2S File						
time with	P HPSTORAGE	W0KAH-02012015a.k2s	2/1/2015 11:35 AM	K2S File						
	🗭 Humbertson (rap	W0KAH-02112015A.k2s	2/11/2015 5:30 PM	K2S File						
the	🏴 Ken (eepct91)	W0KAH-02152015A.k2s	3/6/2015 5:28 PM	K2S File						
receivina	Ken Humbertson	W0KAH-20150322A.k2s	3/22/2015 2:05 PM	K2S File						
station	Music Dictures	WA0BER-20150215-023500Z-1.k2s	2/15/2015 2:57 PM	K2S File						
Station	Tures User 1 (hpstorage	WA0BER-NEMA_6.k2s	2/20/2015 8:27 PM	K2S File						
before	🛃 Videos	<				>				
sendinal										
Senang.	File <u>n</u> ame: WOKA					¥				
	Save as type: custon	n form				¥				
	Hide Folders			<u>S</u> ave	Cance	l				

Digital Transmission – Winlink

Winlink

- Fill out digital form on computer using Flmsg.
- Submit Form and Save File from Flmsg.
- Choose save location be sure to remember where you save it!

				FLMSG: 2.0	10		-		×
File	F <u>o</u> rm	Template	Config	AutoSend		<u>H</u> elp			
Folder	rs	ml		file: new.k2s					\bigcirc
<u>N</u> ew Open	Ctr Ctr	rl+N rl+O	Edit Fo	orm	V	iew Form			
Save	Ctr	rl+S .gv1.1	.0.html						^
Save /	<u>A</u> s Ctr	rl+A							
View		•							
Q-form	ns	s MO							
Wrap		•							
E <u>xi</u> t	Ctr	rl+X E - o	ENERATO	R					1
Ddate Trptd Oaid, Ronci PLACE SIMPL DDreg	,06/08 ,1840L COTT20 ,JIM J \\nCOTT EX)/2015) J50608A JONES DIRE LEVILLE M	CTOR EM 10 66666	ERGENCY MAN \nCELL 636-	AGE 555 RAT	EMENT\n123 COI 5-1212\nHAM KG	TLEVILI OKP 445	E .575	
DelTo PLANT WS0Z AckCa WEOCT	Loc, JE \n200 445.52	EFF SMITH WATER DRI S SIMPLEY	- DIREC IVE\nCOT	TOR PUBLIC T TLEVILLE MO	WOF 66	XKS\nCOTTLEVII 5666\nCELL 636	LE WATE -555-12	R 3\nHi	АМ
WEOCD	F.								-
	mn ha	se64			e (355 bytes / 5 sec	· s		

Digital Transmission – Winlink

Save the file

	Save data file				×					
🛞 🏵 🔻 🕇 퉬 « FL	(<) → ↑ ↓ ≪ FL_APPS → NBEMS.files → ICS → messages ✓ C Search messages									
Organize 🔻 New fold	er				0					
 Desktop Documents Downloads HPSTORAGE Humbertson (rap Ken (eepct91) Ken Humbertson Music Pictures User 1 (hpstorage 	Name W0KAH-01172015A.k2s W0KAH-02012015a.k2s W0KAH-02112015A.k2s W0KAH-02152015A.k2s W0KAH-02152015A.k2s W0KAH-20150215B.k2s W0KAH-2015022A.k2s W0KAH-20150215-023500Z-1.k2s WA0BER-NEMA_6.k2s	Date modified 1/17/2015 1:02 PM 2/1/2015 11:35 AM 2/11/2015 5:30 PM 2/15/2015 2:39 PM 3/6/2015 5:28 PM 3/22/2015 2:05 PM 2/15/2015 2:57 PM 2/20/2015 8:27 PM	Type K2S File K2S File K2S File K2S File K2S File K2S File K2S File		Size					
File <u>n</u> ame: WOKA Save as <u>type</u> : custo	<a>AH-COTT20150608A m form		<u>S</u> ave	Cance	< 					

Digital Transmission – Winlink

- Attach Flmsg file to Winlink E-mail and send.
 - RMS Express Click Message, New Message... or click the New Message Icon

8		RMS	Expres	s 1.3.3.0 -	W0KAH			– 🗆 🗙	
WOKAH - File	es Message Attach	ments Move To:	Saved Ite	ms v	Delete Open S	Session: Winmor	WL2K 🗸 Logs	Help	
	🛚 🥲 📴 🛃 🌧	0							
No active session	No active session								
System Folders	Date/Time	✓ Message ID	Size	Source	Sender	Recipient	Subject		
Inbox (0 unread)	2015/05/22 13:	29 PALFOR0XASFP	668	SMTP	SMTP:artgoodall	WOKAH	Re: //WL2K RRT Net Log	g 2015-05-21	
Read Items (0)	2015/05/22 00:	23 O1F1YVKYBHPU	762	KDOPMW	KDOPMW	WOKAH	Re://WL2K RRT Net Log	3 2015-05-21	
Sent Items (3)	2015/05/03 17:	54 2KOVUZ0EK7E6	372	WOKG	W0KG	WOKAH	//WL2K Lunch Friday 5/1	1	
Saved Items (0)	1 2015/03/06 21:	55 REE3DB0939ZM	616	KORRT	KORRT	WOKAH	//WL2K Incident report fro	om KORRT at 2015-(
Deleted Items (0)	2015/02/24 23:	11 RY0G2Q5AQ55J	599	WOKG	W0KG	WOKAH	//WL2K Amateur Radio F	Resource Request Te	
Personal Folders	2015/02/23 19:	14 HZYGYYSKXWHT	554	NODAN	NODAN	WOKAH	Re:FW: //WL2K Resource	e Request Form Tes	
	2015/02/22 22:	15 RKKQC8MJKUDO	495	WOLON	WOLON	WOKAH .	Re://WL2K P2P RMS Pa	icket	
	2015/02/20 01:	12 KBC3YNE890PI	319	WOTSN	WOTSN	KGOKP .	//WL2K P2P messages		
						•			
Global Folders									
Contacts									
KORRT sabre49@gmail.com									
]							×	

Winlink Transmission

- Fill out the message header (To: and Subject:)
- and attach the Flmsg file from the location where you save it. Suggest using the originating agency ID in the subject.
- Click Post to Outbox
- Send as you would any other Winlink email.

8		E	nter a new m	essage		×
Close	Select Template	Attachments	Post to Outbo	x Save in Drafts Folder	Spell Check	
From:	WOKAH	✓ ● <u>V</u>	<u>V</u> inlink Message) <u>P</u> eerto-Peer Message	Request rea	d receipt
<u>T</u> o:	WA0BER;					
<u>C</u> c:						
Subject	: RESOURCE RE	QUEST COTT201	50608A			
<u>A</u> ttach	W0KAH-COTT2	0150608A.k2s;				
** dri:	ll message **		ilviluat it.	WEDDOC Input.		

Winlink receiving

If receiving by Winlink, you will need to save the .k2s file attachment; then drag & drop the saved file on the blue dot in the upper right

File F

Custom

CUSTOM MesNum OrigSt Plorig TimFil DestSt IReq,C Ddate, Trptd, Oaid, C Ronci, PLACE \ SIMPLE DDreg, DelToL PLANT\ WSOZ 4 AckCal WEOCTR WEOCDF Com

corner of Flmsg, then View Form & print for delivery.

	8		Attac	hments	- 🗆 🗙	
	Close	Add	Edit/Resize-Image	Open/View	Delete Save-To	
	File Name				Size (kb)	
	W0KAH-C	OTT201	50608A.k2s		0.7	
	FLMSG: 2	2.0.10		×		
orm Template Config	AutoSe	end	Help			
Edit	Form	View	Form			
_FORM, RReqv1.1.0.hts ,1234 a, WOKAH ,ST PETERS MO ,1845L a, SEOC OTTLEVILLE - GENERA: 06/08/2015 1840L OTT20150608A JIM JONES DIRECTOR I nCOTTLEVILLE MO 6664 X ONE 50 KW SINGLE PHJ oc, JEFF SMITH - DIRI n200 WATER DRIVE\nC4 45.525 SIMPLEX 1, , , , , , , , , , , , , , , , , , ,	nl FOR EMERGENCY M 66\nCELL 63 ASE 230V GE ECTOR PUBLI DTTLEVILLE	ANAGEMEI 6-555-1: NERATOR C WORKS' MO 6666	NT\n123 COTTLEVILLE 212\nHAM KGORP 445.57 \nCOTTLEVILLE WATER 6\nCELL 636-555-123\n 5 bytes / 13 secs	5 HAM		

Installation Addendum

- Instructions for obtaining & installing:
 - Fldigi (multi-mode digital transmit/receive)
 - Flmsg (message generator)
 - RMS Express (Winlink client)
 - ITSHF (propagation software)
 - RReqvx.y.html (custom form)
- These instructions are a guide to get you started; they do not cover every step for every radio, computer, and operating system combination.

Fldigi/Flmsg Installation

The latest version of Fldigi & Flmsg can be downloaded directly from

http://sourceforge.net/projects/fldigi/files/flmsg/

Click the link to download the latest fldigi Windows setup. Do NOT click on other download offers; click browser back arrow once download completes.

Look for the flmsg-2.x.xx_setup.exe line in the list and click to download the Windows setup. Ignore download offers.

fldigi

Ham Radio Digital Modem Application Brought to you by: dave-w1hkj, sb42

Summary	Files	Reviews	Support	Mailing Lists	Git 🔹	

Looking for the latest version? Download fldigi-3.23.05pa_setup.exe (5.2 MB)

Home / flmsg

Name •	Modified •	Size •	Downloads / Week +
↑ Parent folder			
flmsg-help.zip	2015-10-08	6.8 MB	45 🛌
flmsg-2.0.12.tar.gz	2015-10-07	879.7 kB	22 🔔
flmsg.spec	2015-10-07	1.7 kB	5 🔔
flmsg.pdf	2015-10-07	2.6 MB	48 🛌
flmsg-2.0.12_setup.exe	2015-10-07	1.2 MB	204 📫

Fldigi/Flmsg Installation

 Clicking on the tab for the downloaded files should start the setup program; accept all defaults.

If your browser doesn't show the tabs at the bottom for the files, doubleclick on them in your Downloads folder.



Fldigi Configuration

- You should now have Fldigi & Flmsg icons on
 - your desktop.
- Double-click Fldigi icon to start. The first time you run them you'll get a setup dialog; enter your callsign, name and Locator.

I	Fldigi configur	ation	- 🗆 🗙
Operator UI Wate	rfall Modems Rig Audio ID Misc Web	Autostart IO	
Station	Callsign: WOKAH Name QTH: Locator: EM48QS Antenna:	: KEN	
Restore defa	ults	Save	Close <=

Fldigi Configuration

Next configure the soundcard; Signalink USB recommended.

Click the Audio tab make sure Port Audio is selected. Then USB Audio Codec Mic for Capture and Speakers for Playback, then save.

Ħ	Fldigi co	onfiguration	- 🗆 🗙
Operator	JI Waterfall Modems Rig Audio ID M	isc Web Autostart IO	
Devices Se	ettings Right channel Wav		
	Ooss	Device:	
	Capture: Microphe	one (USB Audio CODEC)	\$
	Playback: Speaker	s (USB Audio CODEC)	+
	OPulseAudio Server str	ing:	
	⊖File I/O only		
Rest	tore defaults	Save	Close <-

Flmsg Configuration

The first time you run Flmsg, you'll need to enter operator callsign, name, etc.

1076-0 1076	flmsg config 🛛 🗕 🗖 🗙						
Personal	Date/Time Files Radiogram Socket						
Ca	Call: WOKAH						
Те	Tel: 314-504-0757						
Nam	ie: Ken						
Ado	dr:						
City/St/Zi	ip:						
Email add	dr:						

Click the red X to close when finished.

Flmsg Configuration

- Next, download the SEMA form from: <u>ares-mo.org/forms/sema-resource-form/</u>
- Alternate site <u>www.w0kah.net/flmsg</u> you want this version or <u>newer</u>:
 - RReqv1.1.0.html
 - Save the form in:
 - Windows 7 & 8.1:
 - C:/users/<account>/NBEMS.files/CUSTOM/

Fldigi Operation

Using Fldigi:

- You don't need to use computer control, everything can be done manually
- Ignore the frequency display and rig info displays; look at your radio and make adjustments there.
- Digital comms are always USB, even on 80 & 40 meters.
- When tuning Winmor frequencies, use the Dial Freq as the display frequency on your radio. The station frequency will be 1.5 Khz higher.
- Speaker output from the computer should be near max, control audio drive to your radio using the Signalink TX knob, adjust for NO ALC action.
- Delay should be full Counter Clockwise, none.

Winlink Installation

- From the Winlink family, the RMS Express client was chosen as the easiest to install and use. A propagation prediction program needs to be installed at the same time. Both are available from:
 - <u>ftp://autoupdate.winlink.org/User%20Programs/</u>
 - Download <u>itshfbc_120722.zip</u> or newer
 - Download <u>RMS_Express_install_1-3-3-0.zip</u> or newer
 - Unzip the setup programs by clicking on the downloaded zip files at the bottom of your browser, then start the setup programs from the window showing the contents of the zip files.
 - Accept all defaults.

Winlink Setup

 Double-click the RMS Express Icon on your desktop, it should start up and display the setup screen; if not click Files, PMS Express

Setup

At a minimum, enter callsign, name, grid square, propagation program path, and service codes PUBLIC EMCOMM, then click update.

Call Signs		Contact Information (Optional)	
My Callsign: W0KAH	Optional auxiliary callsigns		
Add callsion suffix if required (optional):	Aux Call 1:	Name:	Ken Humbertson
	Aux Call 2:	Street address 1:	3 Whispering Ridge CT
		Street address 2:	
My Grid Square: EM48QS	Lat/Lon to Grid Square	City:	Saint Peters
My Password (optional):	Do secure login	State/Province:	MO
		Country:	USA
Winmor registration key (optional):		Postal code:	63376
Display list of pending incoming messages	prior to download	Web Site URL (optional):	
Warn about connections to stations holding	ig messages 🕑	Phone number:	
Disable Peer-To-Peer Message Transfer		Non-Winlink e-mail:	w0kah@anl.net
Path to propagation forecast program: C:	\itshfbc\	Additional information (antiona	D-
Service Codes			9.
PUBLIC EMCOMM			0
(Use PUBLIC for ham call signs. Separat If you change service codes, you must up	e multiple service codes by spaces.) odate the list of channels.		~
Recalculate HF path quality if SFI chang	es more than: 10		
Keep logs for 2 veeks.	Keep deleted messages for 30 days.		

 For sending digital messages by HF, you'll be using Winmor, so with RMS Express running and configured, Open a Winmor WL2K session

8		RMS	Expres	s 1.3.3.0 -	W0KAH			- 🗆	×
W0KAH - File	es Message Attachme	nts Move To: S	aved Iten	ns v	Delete Open S	Session:	Winmor WL2K 🛛 👻	Logs Help	
	🛯 눈 🛃 🍰 🐎	0					Teinet WL2K Packet WL2K		
No active session. Pactor WL2K									
System Folders	Date/Time 👻	Message ID	Size	Source	Sender	Recipier	Winmor WL2K		^
Inbox (0 unread)	2015/06/10 19:55	FL0W1JEEGQQ2	722	KORRT	KORRT	WOKAH		rce Request COTT20	1506
Read Items (0)	2015/05/22 13:29	PALFOR0XASFP	668	SMTP	SMTP:artgoodall	WOKAH	Packet P2P Pactor P2P	RT Net Log 2015-05-3	21
Sent Items (3)	2015/05/22 00:23	O1F1YVKYBHPU	762	KDOPMW	KDOPMW	WOKAH	Robust Packet P2P	T Net Log 2015-05-2	21
Saved Items (0)	2015/05/03 17:54	2KOVUZ0EK7E6	372	WOKG	W0KG	WOKAH	Winmor P2P	Friday 5/1	
Deleted Items (0)	2015/03/06 21:55	REE3DB0939ZM	616	KORRT	KORRT	WOKAH		nt report from KORRT	at 20
Personal Folders	2015/02/24 23:11	RY0G2Q5AQ55J	599	WOKG	W0KG	WOKAH	(AH Pactor Radio-only	ur Radio Resource R	eques
	2015/02/23 19:14	HZYGYYSKXWHT	554	NODAN	NODAN	WOKAH	Telnet Radio-only	K Resource Request	Form
	2015/02/22 22:45	RKKQC8MJKUDO	495	WOLON	WOLON	WOKAH	Telpet Post Office	P RMS Packet	
	Message ID: FLOW1	JEEGO02		•		•	Temer Post Office]	~
	Date: 2015/06/10 19:55								
Global Folders	From: KORRT								
	To: WOKAH								
	Source: KORRT Subject: //WL2K Resource Request COTT20150608A								
Contacts	Contacts								
KORRT									
Isabre49@gmail.com									
									~

Three windows will open;

- A registration Reminder, click Remind Me Later
- A soundcard waterfall; ignore for now
- A Winmor Winlink 2000 Session; click Setup

Make sure USB Audio Codec is selected for Capture and Playback, then click Update.

8	WINMOR Setup			x
	Ident	ifv with Morse Co	de 🗸	
MINMO	R Capture Device:	Microphone (US	B Audio CODEC)-43	~
WINMOR	Playback Device:	Speakers (USB	Audio CODEC) f 4	-
Virtual TNC F	nost address/name:	127.0.0.1		
Virtual T	NC Command Port:	8500 🜲	Data Port: 8501	
Inbound Sessio	n Bandwidth (Hz) :	500 🗸	Drive Level: 90	-
	Update	•	Cancel	

Using Winmor:

- You don't need to use computer control, everything can be done manually
- Digital comms are always USB, even on 80 & 40 meters.
- When tuning Winmor frequencies, use the Dial Freq as the display frequency on your radio. The station frequency will be 1.5 Khz higher.
- Speaker output from the computer should be near max, control audio drive to your radio using the Signalink TX knob, adjust for NO ALC action.
- Delay should be full Counter Clockwise, none.

- The Winmor Sound Card TNC window displays connection status and information.
 - Adjust the RX level on the Signalink USB such that the top green bar on the Rec Level is in the green area of the lower bar, Blue is too weak, red is overdriving and will cause errors and retransmissions.

WINMOR S	ound Card TNC Ver:1.5.8.0 Port:8500
Help Hide Send ID Connection State DISCONNECTED TCP Capture OK	Receive Rcv Level: Busy Detector Remote Station Offset: -73.3 Hz Rcv Frame: Squelch: 5 +
Transmit 0 Avg ACK Percentage 100 Xmt Frame:	 Waterfall Spectrum Disable 500 Waterfall 2KHz 2500 4FSK / 17

Special thanks to: Jeff Young KB3HF EC for Missouri and JD Simmons WA0BER DEC for District F for their contributions, help and support in preparing this document.

Ken Humbertson W0KAH ADEC District C Digital Modes and Networking w0kah@arrl.net cell 314-504-0757