



# Using Winlink for Emergency Communications

South Pasadena Amateur Radio Club

November 6, 2019

# SPARC's Goals

- ▶ Operators have necessary equipment, knowledge and experience to send digital traffic when needed in emergency situations
- ▶ Focus on Winlink
- ▶ Work one-on-one with operators who want to set up digital stations
- ▶ Provide regular exercises so all operators can develop and practice their skills



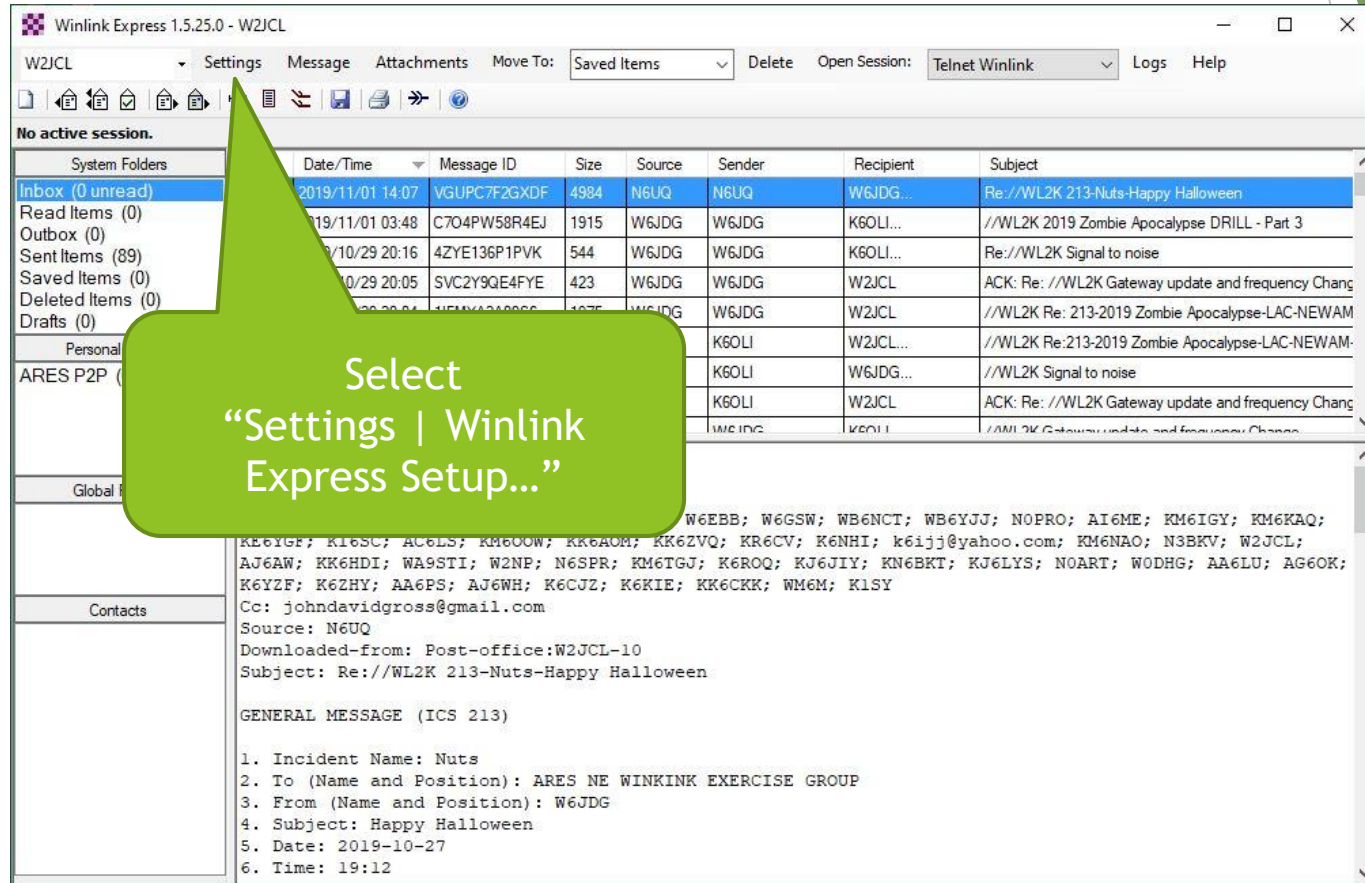
# Winlink

- ▶ Computer application for sending email via radio
  - ▶ A valid amateur radio license is required to obtain a Winlink email account
- ▶ Built-in forms
  - ▶ ICS, ARRL
  - ▶ Custom
- ▶ Attachments
  - ▶ Text files (e.g., Excel CSV files)
  - ▶ Binary files (e.g., images)



# Winlink Setup

## ► Settings | Winlink Express Setup...



Winlink Express 1.5.25.0 - W2JCL

W2JCL Settings Message Attachments Move To: Saved Items Delete Open Session: Telnet Winlink Logs Help

No active session.

System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (0 unread)	2019/11/01 14:07	VGUPC7F2GXDF	4984	N6UQ	N6UQ	W6JDG...	Re://WL2K 213-Nuts-Happy Halloween
Read Items (0)	2019/11/01 03:48	C704PW58R4EJ	1915	W6JDG	W6JDG	K6OLI...	//WL2K 2019 Zombie Apocalypse DRILL - Part 3
Outbox (0)	2019/10/29 20:16	4ZYE136P1PVK	544	W6JDG	W6JDG	K6OLI...	Re://WL2K Signal to noise
Sent Items (89)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	ACK: Re: //WL2K Gateway update and frequency Chang
Saved Items (0)	2019/10/29 20:04	W6JDG	1915	W6JDG	W6JDG	W2JCL	//WL2K Re: 213-2019 Zombie Apocalypse-LAC-NEWAM
Deleted Items (0)							
Drafts (0)							
Personal							
ARES P2P (0)							
Global							
Contacts							

W6EBB; W6GSW; WB6NCT; WB6YJJ; N0PRO; AI6ME; KM6IGY; KM6KAQ;  
KE6IGF; K16SC; AC6LS; KM6OOW; KR6AOM; KR6ZVQ; KR6CV; K6NHI; k6ijj@yahoo.com; KM6NAO; N3BKV; W2JCL;  
AJ6AW; KK6HDI; WA9STI; W2NP; N6SPR; KM6TGJ; K6ROQ; KJ6JIY; KN6BKT; KJ6LYS; NOART; W0DHG; AA6LU; AG6OK;  
K6YZF; K6ZHY; AA6PS; AJ6WH; K6CJZ; K6KIE; KK6CKK; WM6M; K1SY  
Cc: johndavidgross@gmail.com  
Source: N6UQ  
Downloaded-from: Post-office:W2JCL-10  
Subject: Re://WL2K 213-Nuts-Happy Halloween

GENERAL MESSAGE (ICS 213)

1. Incident Name: Nuts
2. To (Name and Position): ARES NE WINKINK EXERCISE GROUP
3. From (Name and Position): W6JDG
4. Subject: Happy Halloween
5. Date: 2019-10-27
6. Time: 19:12

# Winlink Setup

## ► Settings | Winlink Express Setup...

**Winlink Express Properties**

**Call Signs**

My Callsign:  My Password:  (Case sensitive) ☐ Show password

Callsign suffix (optional):  (Used for country code)

Password recovery e-mail:   
(Non-Winlink e-mail address where lost password will be sent when requested)

**Auxiliary Callsigns and Tactical Addresses**

My Grid Square:

Winlink Express registration key:

**Service Codes**

(Use PUBLIC for ham call signs. Separate multiple service codes by spaces.)  
If you change service codes, you must update the list of channels.

**Contact Information (Optional)**

Name:   
Street address 1:   
Street address 2:   
City:   
State/Province:   
Country:   
Postal code:   
Web Site URL (optional):   
Phone number:   
Non-Winlink e-mail:

**Additional information (optional):**

Recalculate HF path quality if SFI changes more than:

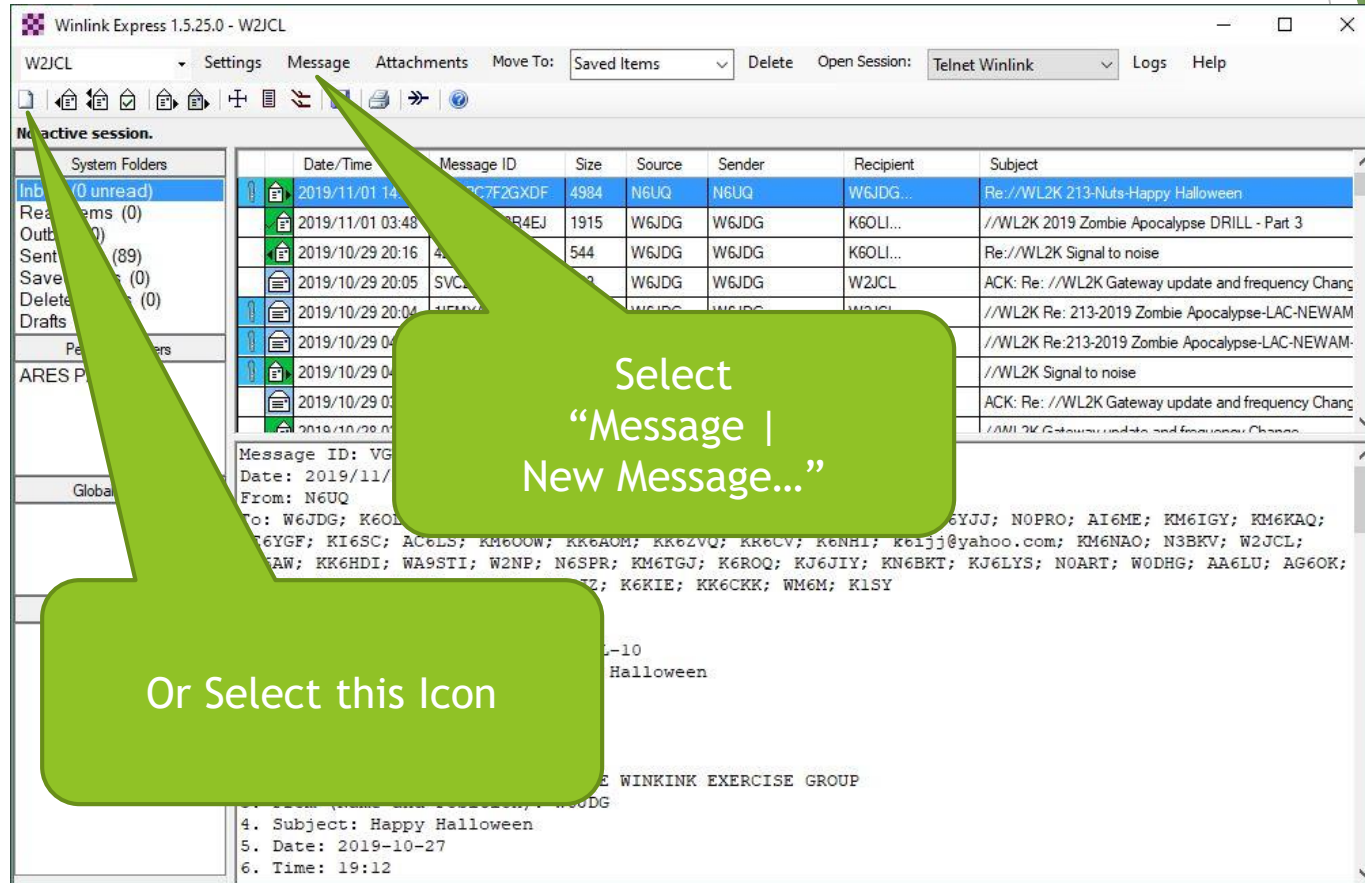
Keep logs for  weeks. Keep deleted messages for  days.

☐ Display list of pending incoming messages prior to download  
☒ Warn about connections to stations holding messages  
☒ Allow diagnostic information to be sent to the Winlink Development Team  
☒ Automatically install field-test (beta) versions of Winlink Express



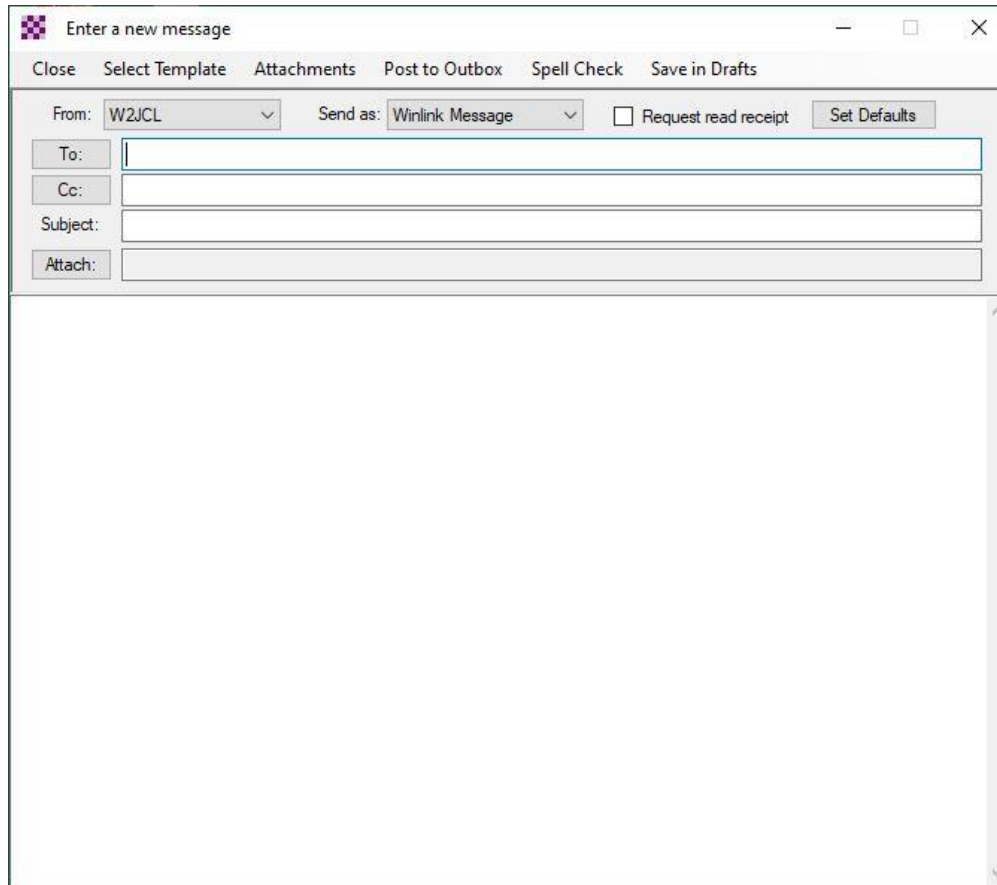
# New Message

## ► Message | New Message...



# New Message

► Message | New Message...

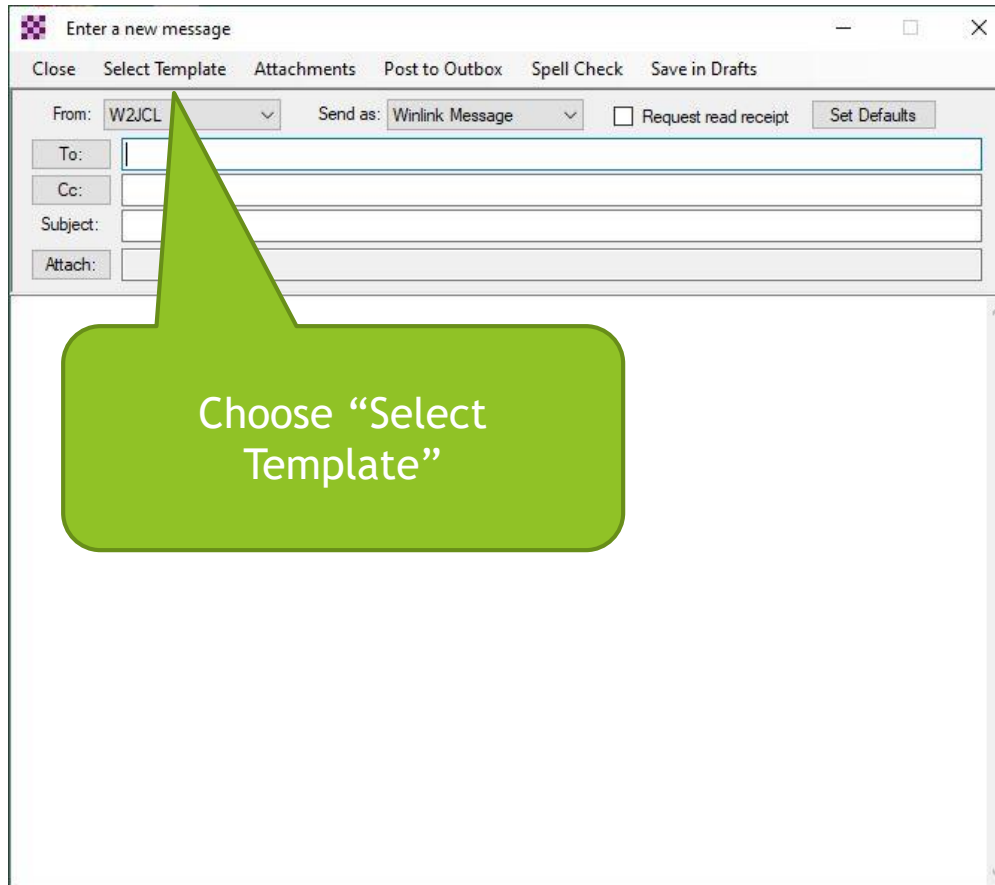


The screenshot shows a window titled "Enter a new message" with standard Windows window controls (minimize, maximize, close). Below the title bar is a menu bar with the following options: "Close", "Select Template", "Attachments", "Post to Outbox", "Spell Check", and "Save in Drafts". The main area of the window contains the following fields and controls:

- From:** A dropdown menu showing "W2JCL".
- Send as:** A dropdown menu showing "Winlink Message".
- ☐ **Request read receipt**
- Set Defaults** button
- To:** A text input field.
- Cc:** A text input field.
- Subject:** A text input field.
- Attach:** A text input field.
- A large, empty text area for the message body, with a vertical scrollbar on the right side.

# Using Built-in Forms

- Enter a new message | Select Template

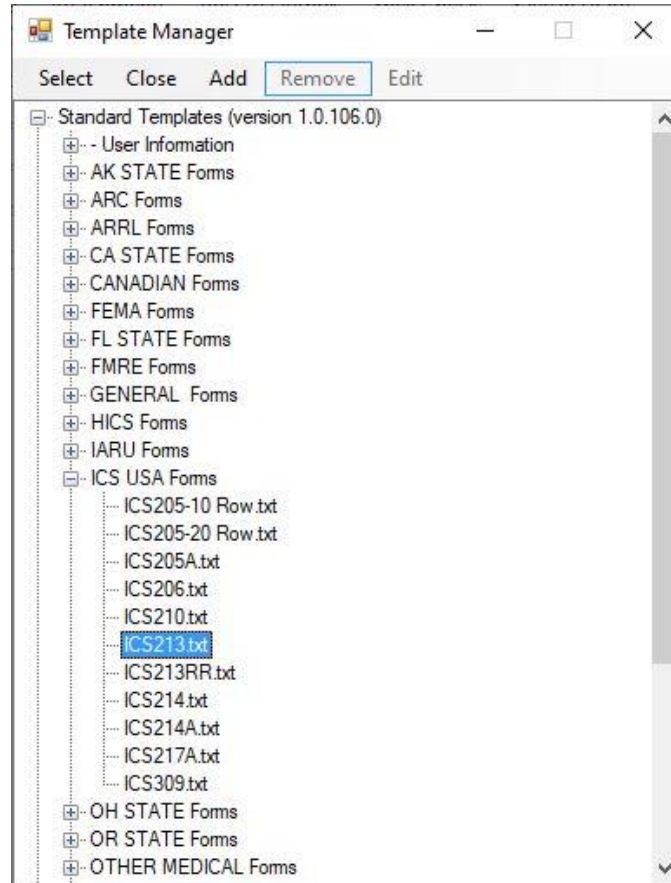


The screenshot shows a software window titled "Enter a new message". The window has a menu bar with the following options: Close, Select Template, Attachments, Post to Outbox, Spell Check, and Save in Drafts. Below the menu bar, there are several input fields and buttons. The "From:" field is set to "W2JCL". The "Send as:" field is set to "Winlink Message". There is a checkbox for "Request read receipt" which is currently unchecked, and a "Set Defaults" button. Below these are fields for "To:", "Cc:", "Subject:", and "Attach:". A green callout bubble with a pointer directed at the "Select Template" button in the menu bar contains the text "Choose 'Select Template'".



# Using Built-in Forms

- Enter a new message | Select Template



# Using Built-in Forms

- ▶ Some useful forms:
  - ▶ GENERAL Forms
    - ▶ Damage Assessment
    - ▶ Race Tracker (AC 100)
    - ▶ Welfare Message
  - ▶ HICS Forms
    - ▶ HICS 213 (General Message)
    - ▶ HICS 254 (Patient Tracking)
  - ▶ ICS USA Forms
    - ▶ ICS 205 (Communications Plan)
    - ▶ ICS 213 (General Message)
    - ▶ ICS 214 (Activity Log)



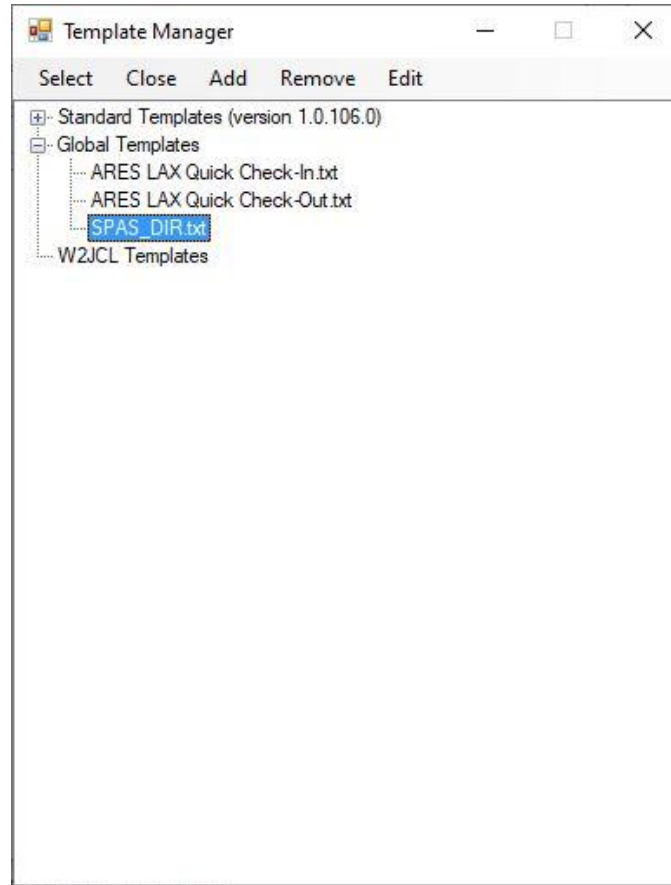
# Using Built-in Forms

- ▶ Some useful forms:
  - ▶ ARC Forms (American Red Cross)
  - ▶ ARRL Forms
  - ▶ RADIOGRAM RRI Forms
    - ▶ Radiogram
  - ▶ WEATHER Forms
    - ▶ Severe WX Report
  - ▶ Custom Forms
    - ▶ Check-in / Check-out
    - ▶ South Pasadena Disaster Information Report



# Using Built-in Forms

- Enter a new message | Select Template



# Using Built-in Forms

- The selected Form will open in your web browser

Disaster Information Report - City of South Pasadena

This form is used for taking reports from field personnel and / or the general public

Incident address: (*)				Facility/building name: (*)					
Description of problem: (*)									
Priority:	Critical/life safety	<input type="checkbox"/>	Yes or No	Urgent	<input type="checkbox"/>	Yes or No	Routine	<input type="checkbox"/>	Yes or No
Damage reported by:				Agency/dept: phone #:					
Incident type:									
Damage report date: (*)	<input type="button" value="Click to Add Date"/>			Report time: (*)	<input type="button" value="Click to Add Time"/>				
Damage report taken by:				EOC position:					
Requires response?	<input type="checkbox"/>	Yes or No	Then send to operations	Information only?	<input type="checkbox"/>	Yes or No	Then send to planning		
Action taken:									
Follow up needed:									
Comments: (*)									
Originator: Any EOC/DOC position. Retain Copy									
Routing: Appropriate OPS section for response, Ops to retain copy. Then send to Situation Status (Plans/Intel Section)									
For major incidents, information in boxes marked with this symbol (*) needs to be posted to the appropriate Status Board									
<input type="button" value="Submit"/> <input type="button" value="Reset Form"/>									



# Using Built-in Forms

- Complete the Form then click “Submit”

Disaster Information Report - City of South Pasadena

This form is used for taking reports from field personnel and / or the general public

Incident address: (*)	1006 Mission Street	Facility/building name: (*)	Jones Coffee Roasters			
Description of problem: (*)	Broken water main					
Priority:	Critical/life safety	No	Urgent	Yes	Routine	No
Damage reported by:	Jeff	Agency/dept: phone #:	Public works			
Incident type:	Water damage					
Damage report date: (*)	2019-11-03	Report time: (*)	20:18			
Damage report taken by:	Bob	EOC position:	Logistics Chief			
Requires response?	Yes	Then send to operations	Information only?	No	Then send to planning	
Action taken:	Dispatched city crew					
Follow up needed:	Yes, need follow up					
Comments: (*)	Main shutoff valve has been closed					

Originator: Any EOC/DOC position. Retain Copy

Routing: Appropriate OPS section for response, Ops to retain copy. Then send to Situation Status (Plans/Intel Section)

For major incidents, information in boxes marked with this symbol (\*) needs to be posted to the appropriate Status Board



# Using Built-in Forms

- Click “Ok” then close the web browser

Disaster Information Report - City of South Pasadena

This form is used for taking reports from field personnel and / or the general public

Incident address: (*)	1006 Mission Street	Facility/building name: (*)	Jones Coffee Roasters
Description of problem: (*)	Broken water main		
Priority:	Critical		No
Damage reported by:	Jeff		
Incident type:	Water damage		
Damage report date: (*)	2019-11-14		
Damage report taken by:	Bob		
Requires response?	Yes	Then send to operations	Information only?
		No	Then send to planning
Action taken:	Dispatched city crew		
Follow up needed:	Yes, need follow up		
Comments: (*)	Main shutoff valve has been closed		

Originator: Any EOC/DOC position. Retain Copy

Routing: Appropriate OPS section for response, Ops to retain copy. Then send to Situation Status (Plans/Intel Section)

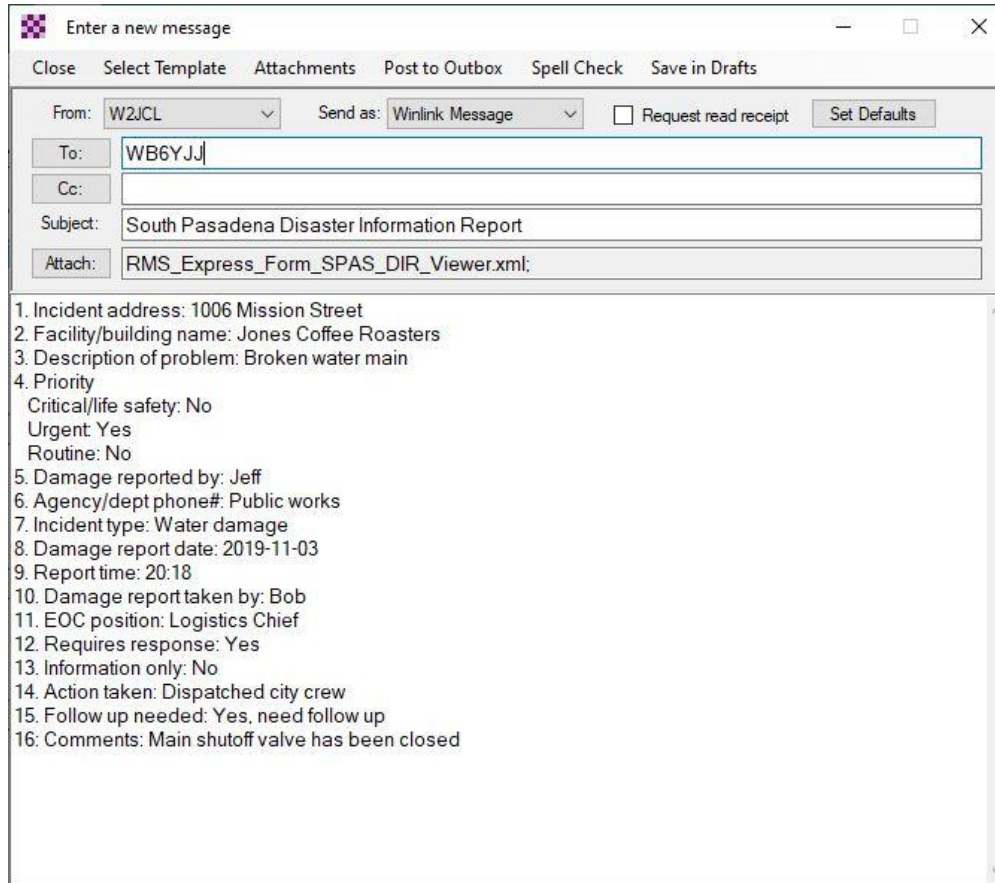
For major incidents, information in boxes marked with this symbol (\*) needs to be posted to the appropriate Status Board

To complete your form submission, click OK and close the open browser window. You will return to the new message window so you can post your message to the outbox



# Using Built-in Forms

- The message will contain the Form data



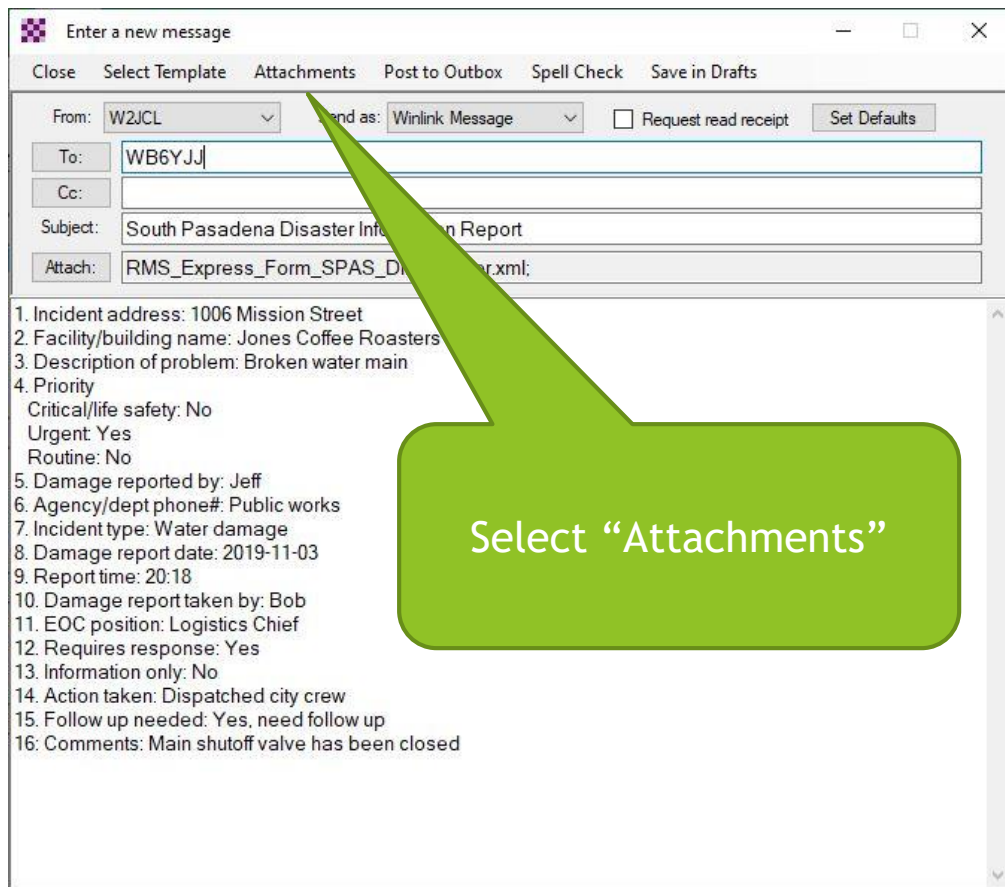
The screenshot shows an email composition window titled "Enter a new message". The window has a menu bar with "Close", "Select Template", "Attachments", "Post to Outbox", "Spell Check", and "Save in Drafts". Below the menu bar, there are fields for "From:" (W2JCL), "Send as:" (Winlink Message), a checkbox for "Request read receipt", and a "Set Defaults" button. The "To:" field contains "WB6YJJ", and the "Subject:" field contains "South Pasadena Disaster Information Report". The "Attach:" field contains "RMS\_Express\_Form\_SPAS\_DIR\_Viewer.xml". The main body of the email contains a list of 16 items, numbered 1 through 16, detailing incident information:

1. Incident address: 1006 Mission Street
2. Facility/building name: Jones Coffee Roasters
3. Description of problem: Broken water main
4. Priority
  - Critical/life safety: No
  - Urgent: Yes
  - Routine: No
5. Damage reported by: Jeff
6. Agency/dept phone#: Public works
7. Incident type: Water damage
8. Damage report date: 2019-11-03
9. Report time: 20:18
10. Damage report taken by: Bob
11. EOC position: Logistics Chief
12. Requires response: Yes
13. Information only: No
14. Action taken: Dispatched city crew
15. Follow up needed: Yes, need follow up
16. Comments: Main shutoff valve has been closed



# Adding Attachments

- Enter a new message | Attachments



The screenshot shows a software window titled "Enter a new message" with a standard Windows-style title bar (minimize, maximize, close buttons). The window has a menu bar with the following options: Close, Select Template, Attachments, Post to Outbox, Spell Check, and Save in Drafts. Below the menu bar, there are several input fields and buttons:

- From:** W2JCL (dropdown menu)
- Send as:** Winlink Message (dropdown menu)
- ☐ Request read receipt
- Set Defaults** (button)
- To:** WB6YJJ
- Cc:** (empty field)
- Subject:** South Pasadena Disaster Information Report
- Attach:** RMS\_Express\_Form\_SPAS\_Disaster\_Report.xml

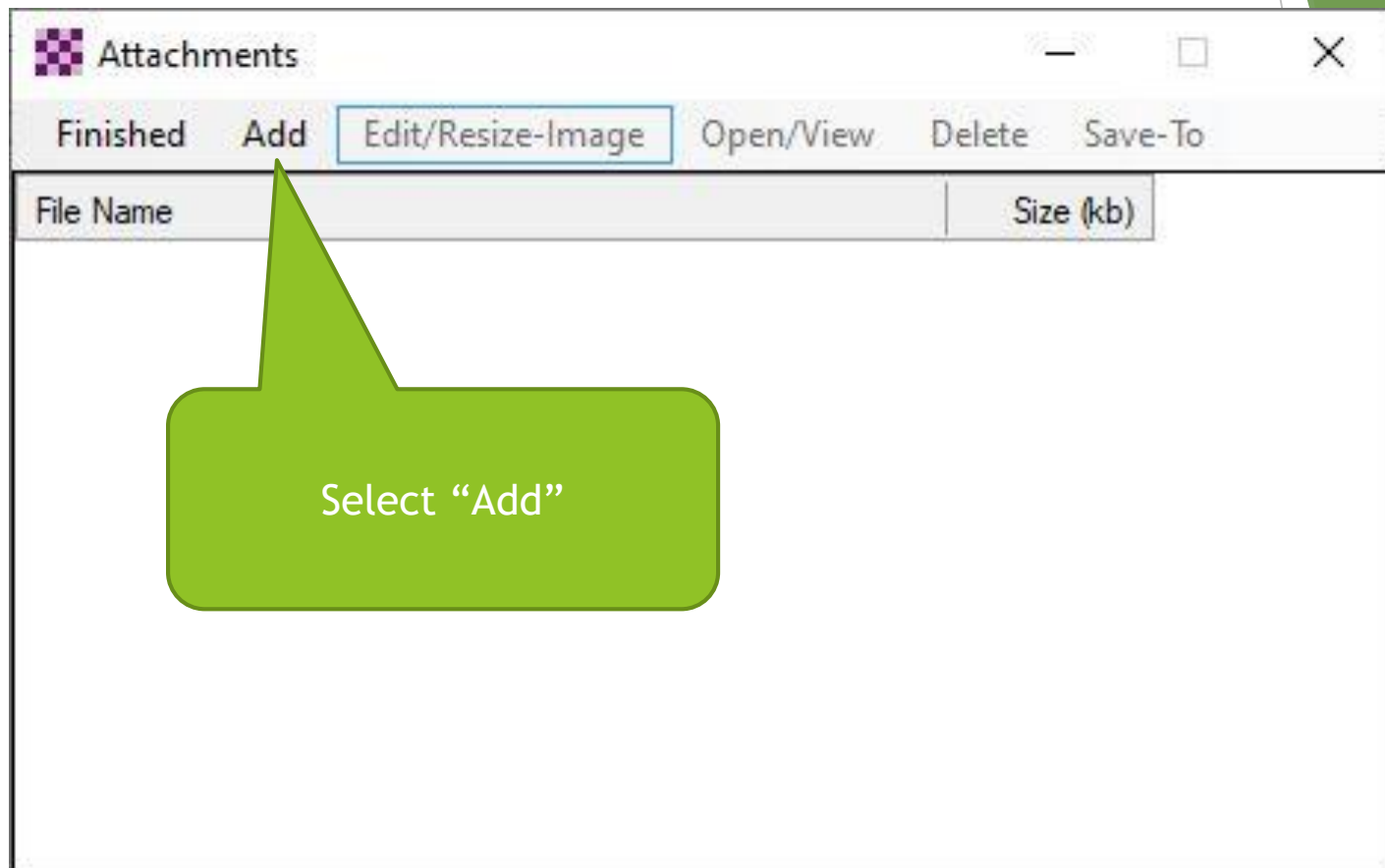
Below these fields is a list of 16 items, each with a number and a description:

1. Incident address: 1006 Mission Street
2. Facility/building name: Jones Coffee Roasters
3. Description of problem: Broken water main
4. Priority
  - Critical/life safety: No
  - Urgent: Yes
  - Routine: No
5. Damage reported by: Jeff
6. Agency/dept phone#: Public works
7. Incident type: Water damage
8. Damage report date: 2019-11-03
9. Report time: 20:18
10. Damage report taken by: Bob
11. EOC position: Logistics Chief
12. Requires response: Yes
13. Information only: No
14. Action taken: Dispatched city crew
15. Follow up needed: Yes, need follow up
16. Comments: Main shutoff valve has been closed

A green callout bubble with the text "Select 'Attachments'" points to the "Attachments" tab in the menu bar.

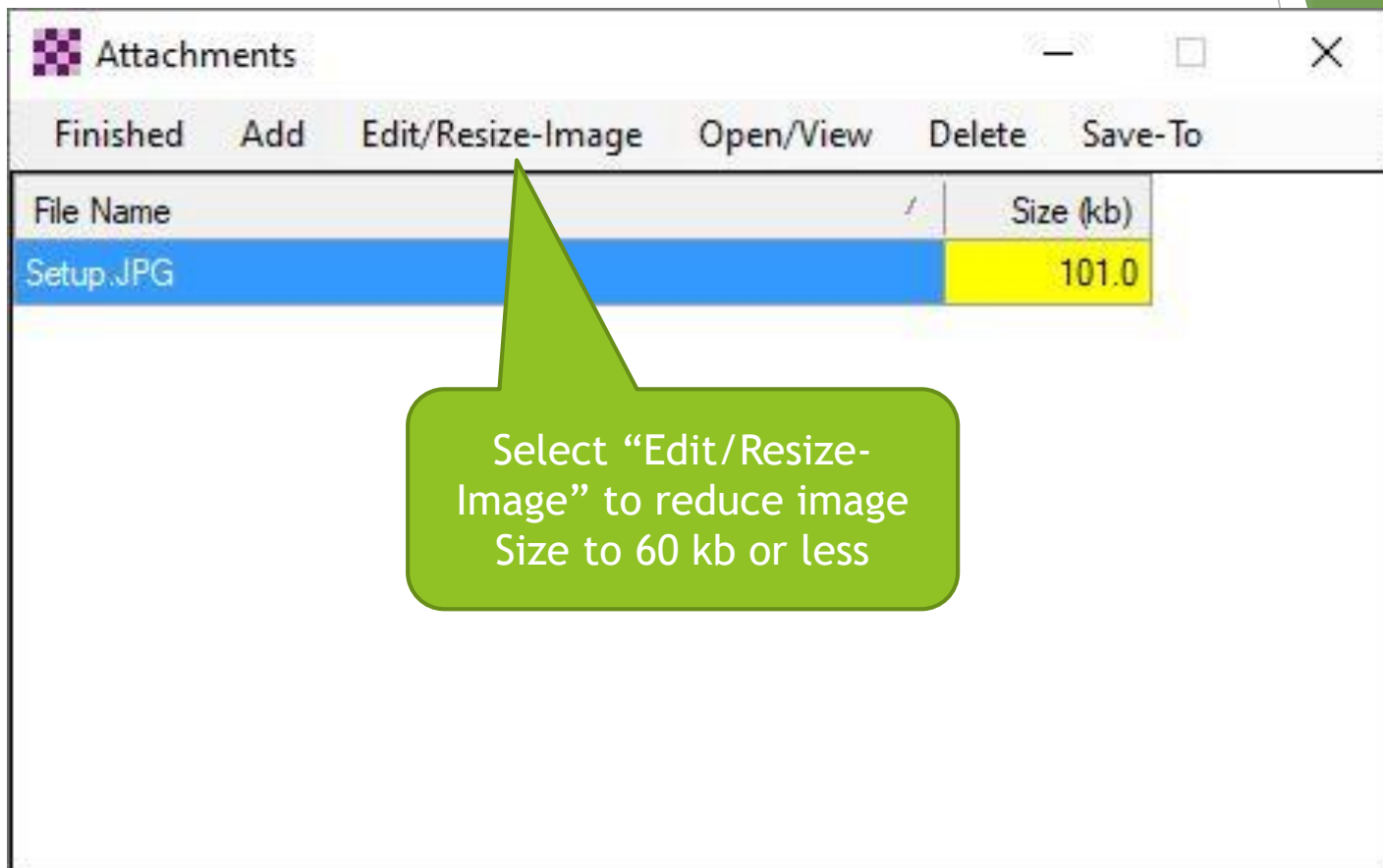
# Adding Attachments

## ► Attachments | Add



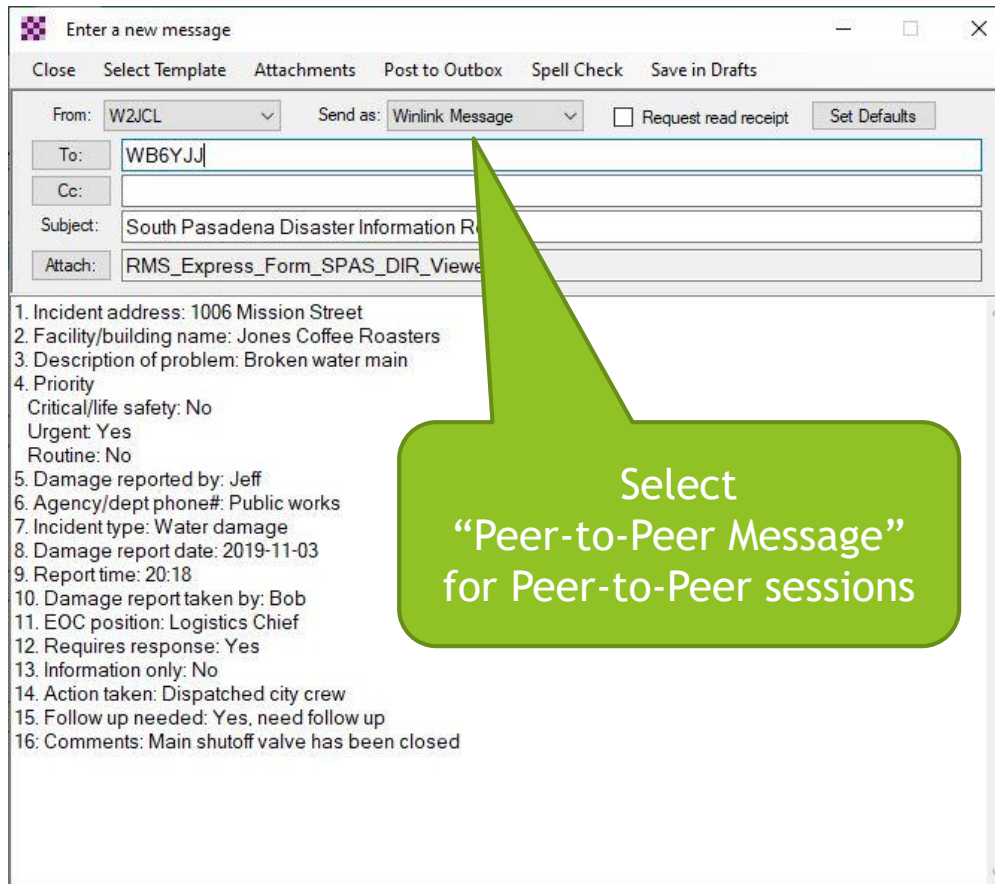
# Adding Attachments

## ► Attachments | Edit/Resize-Image



# Gateway or Peer-to-Peer

- Enter a new message | Send as...



The screenshot shows a software window titled "Enter a new message" with a standard Windows-style title bar (minimize, maximize, close buttons). Below the title bar is a menu bar with options: Close, Select Template, Attachments, Post to Outbox, Spell Check, and Save in Drafts. The main form area contains several input fields: "From:" with a dropdown menu showing "W2JCL", "Send as:" with a dropdown menu showing "Winlink Message", a checkbox for "Request read receipt", and a "Set Defaults" button. Below these are fields for "To:" (containing "WB6YJJ"), "Cc:", "Subject:" (containing "South Pasadena Disaster Information R..."), and "Attach:" (containing "RMS\_Express\_Form\_SPAS\_DIR\_View..."). A large green callout bubble with a pointer directed at the "Send as:" dropdown contains the text: "Select 'Peer-to-Peer Message' for Peer-to-Peer sessions". Below the form fields is a list of 16 items, likely a log or form data, including incident address, facility name, problem description, priority, damage report details, and comments.

Enter a new message

Close Select Template Attachments Post to Outbox Spell Check Save in Drafts

From: W2JCL Send as: Winlink Message ☐ Request read receipt Set Defaults

To: WB6YJJ

Cc:

Subject: South Pasadena Disaster Information R

Attach: RMS\_Express\_Form\_SPAS\_DIR\_View

1. Incident address: 1006 Mission Street  
2. Facility/building name: Jones Coffee Roasters  
3. Description of problem: Broken water main  
4. Priority  
Critical/life safety: No  
Urgent: Yes  
Routine: No  
5. Damage reported by: Jeff  
6. Agency/dept phone#: Public works  
7. Incident type: Water damage  
8. Damage report date: 2019-11-03  
9. Report time: 20:18  
10. Damage report taken by: Bob  
11. EOC position: Logistics Chief  
12. Requires response: Yes  
13. Information only: No  
14. Action taken: Dispatched city crew  
15. Follow up needed: Yes, need follow up  
16. Comments: Main shutoff valve has been closed

Select  
"Peer-to-Peer Message"  
for Peer-to-Peer sessions

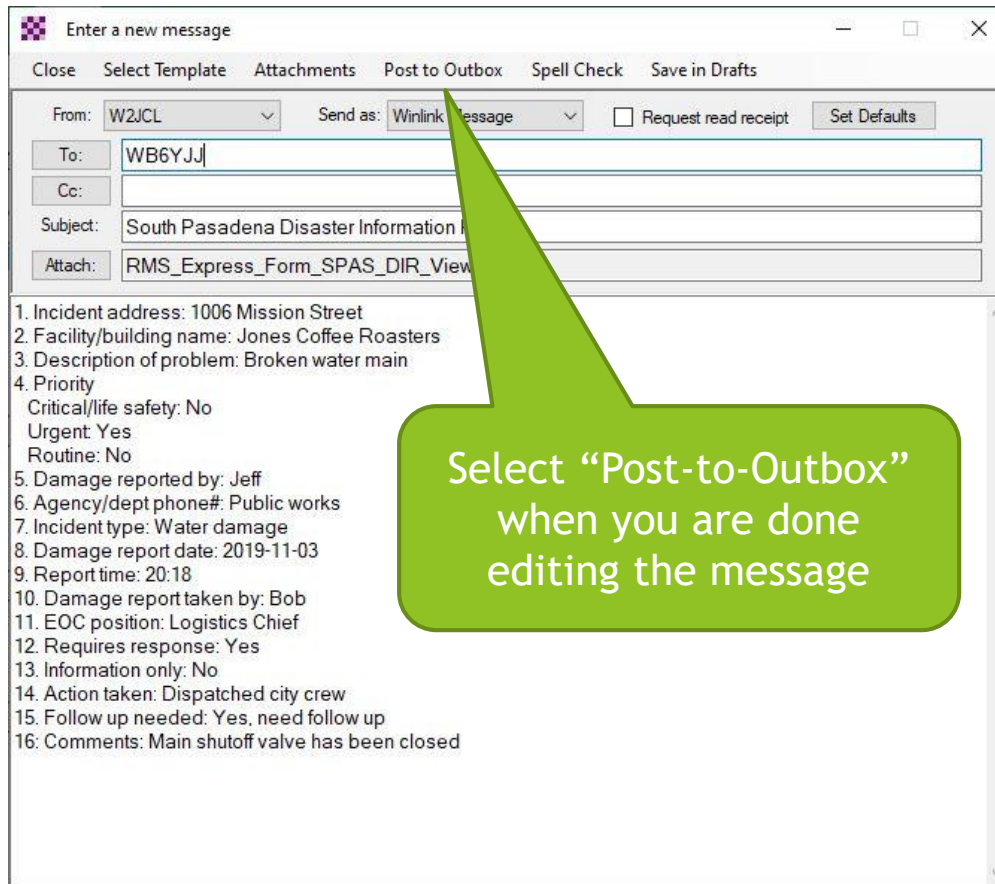
# Gateway or Peer-to-Peer

- ▶ Messages can be exchanged either through a gateway or via a direct peer-to-peer connection
- ▶ A gateway is a station connected to one or more Common Mail Servers (CMS) in the “cloud”
  - ▶ The CMS servers allow messages to be exchanged via the internet to or from any email address
  - ▶ If the CMS servers cannot be reached, the gateway station can hold messages until they are picked up by the intended recipient
- ▶ Peer-to-peer exchange allows radio-to-radio communication with no internet connection



# Post to Outbox

- Enter a new message | Post to Outbox



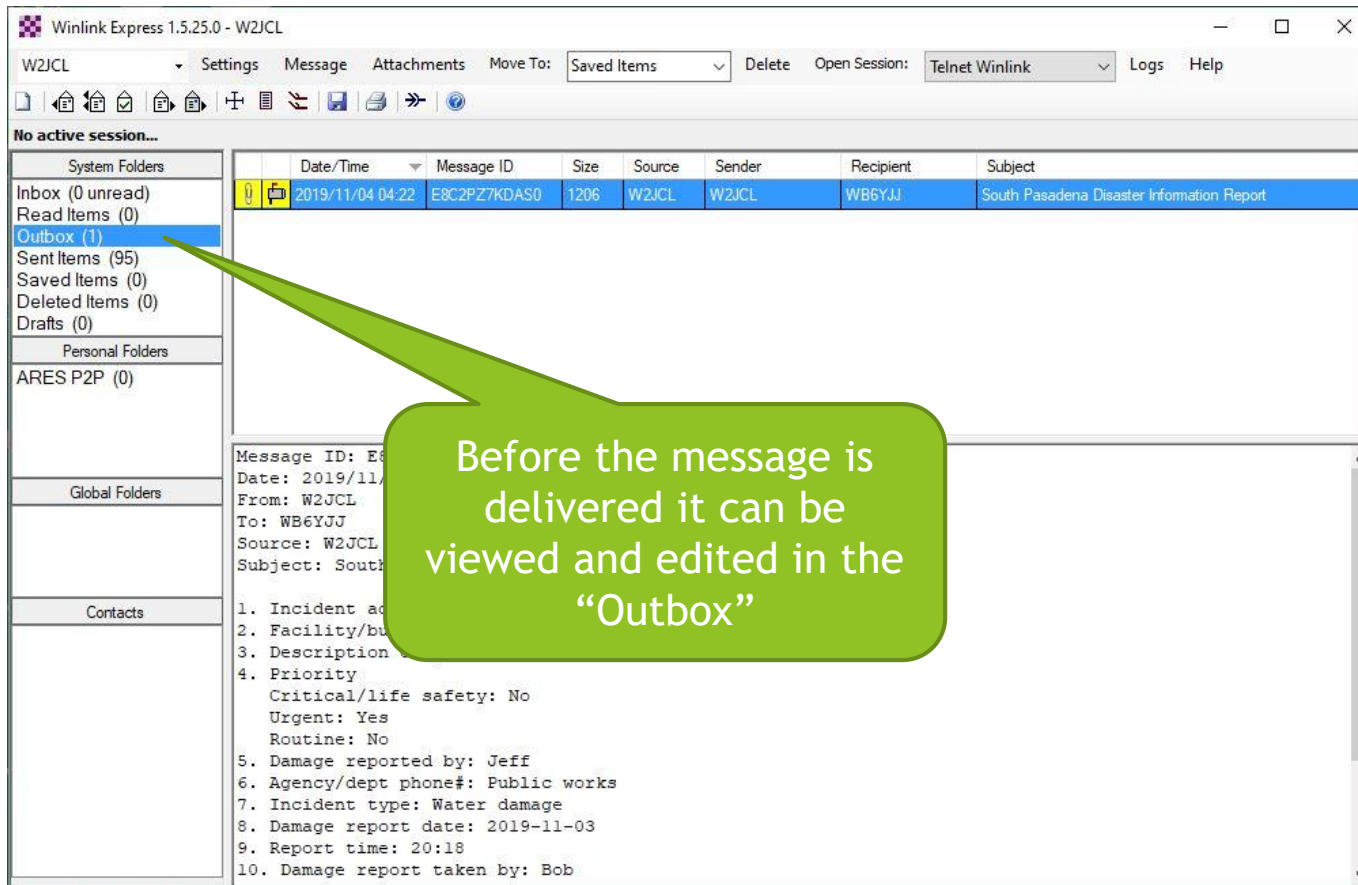
The screenshot shows a window titled "Enter a new message" with a menu bar containing "Close", "Select Template", "Attachments", "Post to Outbox", "Spell Check", and "Save in Drafts". The "Post to Outbox" button is highlighted by a green callout bubble. The form fields are as follows:

- From: W2JCL
- Send as: Winlink message
- ☐ Request read receipt
- Set Defaults
- To: WB6YJJ
- Cc:
- Subject: South Pasadena Disaster Information
- Attach: RMS\_Express\_Form\_SPAS\_DIR\_View

The message body contains the following text:

1. Incident address: 1006 Mission Street
2. Facility/building name: Jones Coffee Roasters
3. Description of problem: Broken water main
4. Priority
  - Critical/life safety: No
  - Urgent: Yes
  - Routine: No
5. Damage reported by: Jeff
6. Agency/dept phone#: Public works
7. Incident type: Water damage
8. Damage report date: 2019-11-03
9. Report time: 20:18
10. Damage report taken by: Bob
11. EOC position: Logistics Chief
12. Requires response: Yes
13. Information only: No
14. Action taken: Dispatched city crew
15. Follow up needed: Yes, need follow up
16. Comments: Main shutoff valve has been closed

# Post to Outbox



The screenshot shows the Winlink Express 1.5.25.0 - W2JCL interface. The left sidebar lists folders: System Folders (Inbox (0 unread), Read Items (0), Outbox (1), Sent Items (95), Saved Items (0), Deleted Items (0), Drafts (0)), Personal Folders (ARES P2P (0)), Global Folders, and Contacts. The main window displays a message table with columns: Date/Time, Message ID, Size, Source, Sender, Recipient, and Subject. A message is listed with Date/Time 2019/11/04 04:22, Message ID E8C2PZ7KDAS0, Size 1206, Source W2JCL, Sender W2JCL, Recipient WB6YJJ, and Subject South Pasadena Disaster Information Report. A green callout bubble points to the Outbox folder and contains the text: "Before the message is delivered it can be viewed and edited in the 'Outbox'". Below the message table, the message details are displayed: Message ID: E8C2PZ7KDAS0, Date: 2019/11/04 04:22, From: W2JCL, To: WB6YJJ, Source: W2JCL, Subject: South Pasadena Disaster Information Report. The message body contains a list of 10 items: 1. Incident address, 2. Facility/building, 3. Description, 4. Priority, 5. Critical/life safety: No, 6. Urgent: Yes, 7. Routine: No, 8. Damage reported by: Jeff, 9. Agency/dept phone#: Public works, 10. Incident type: Water damage, 11. Damage report date: 2019-11-03, 12. Report time: 20:18, 13. Damage report taken by: Bob.

Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
2019/11/04 04:22	E8C2PZ7KDAS0	1206	W2JCL	W2JCL	WB6YJJ	South Pasadena Disaster Information Report

Message ID: E8C2PZ7KDAS0  
Date: 2019/11/04 04:22  
From: W2JCL  
To: WB6YJJ  
Source: W2JCL  
Subject: South Pasadena Disaster Information Report

1. Incident address
2. Facility/building
3. Description
4. Priority
5. Critical/life safety: No
6. Urgent: Yes
7. Routine: No
8. Damage reported by: Jeff
9. Agency/dept phone#: Public works
10. Incident type: Water damage
11. Damage report date: 2019-11-03
12. Report time: 20:18
13. Damage report taken by: Bob

# Special Messages

- ▶ GPS position report
  - ▶ Read data from a GPS receiver, or
  - ▶ Enter Latitude and Longitude directly
- ▶ GRIB file request
  - ▶ “GRidded Binary” or “General Regularly-distributed Information in Binary”
  - ▶ A data format commonly used in meteorology to store historical and forecast weather data
  - ▶ Separate application needed to read received data





# Special Messages

## ► Settings | GPS / Position Reports...

GPS / Position Report

GPS Serial Port

GPS Serial Port:  GPS Baud Rate:

GPS Status

\$GPRMC,231142.00,A,3406.10760,N,11808.77965,W,0.075,.021119...D\*63

Last fix at 2019-11-02 23:11:40

GPS Latitude:  GPS Longitude:

GPS Speed:  Knots GPS Course:  True

☒ Automatically update grid square from GPS position:

Position Report

Your last position report was posted at 2019/09/20 05:38:47 UTC

Copy GPS Data

Use Current Time

Report Date/Time:  UTC

Latitude:  Longitude:  (DD-MM.MMx)

Speed:  Knots Course:  True

Comment - 148 Characters Maximum:

Add Marine Weather Report

Post Report

Close




# Special Messages

## ► Settings | GRIB file request...

Select Map Region and Options for GRIB File

Zoom-in Zoom-out Lat: 044° 19' N Lon: 115° 27' W Type of GRIB: Area



Selected GRIB Region

035° 30' N  
121° 19' W 115° 27' W  
032° 11' N

Information

☒ Wind ☐ HGT500  
☒ Waves ☐ SFCTMP  
☒ Rain ☐ TMP500  
☒ PRMSL ☐ LFTX

Forecast

Days: 2 Hours: 6  
Time of day: 00:00 UTC

Resolution

0.5 degrees

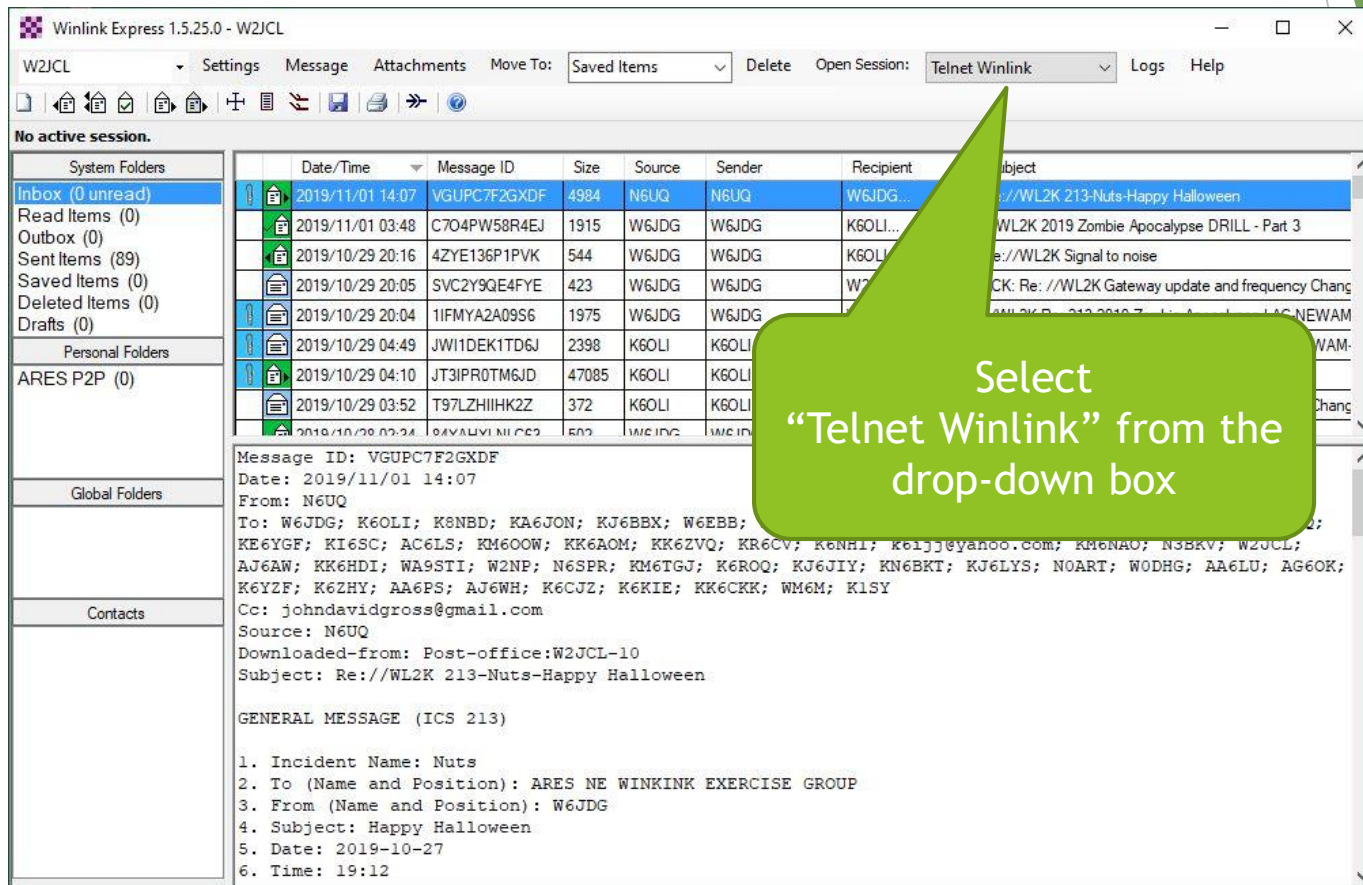
Action

Post Request  
Cancel

File size (kb): 10

# Sending & Receiving Messages

## ► Open Session: Telnet Winlink



Winlink Express 1.5.25.0 - W2JCL

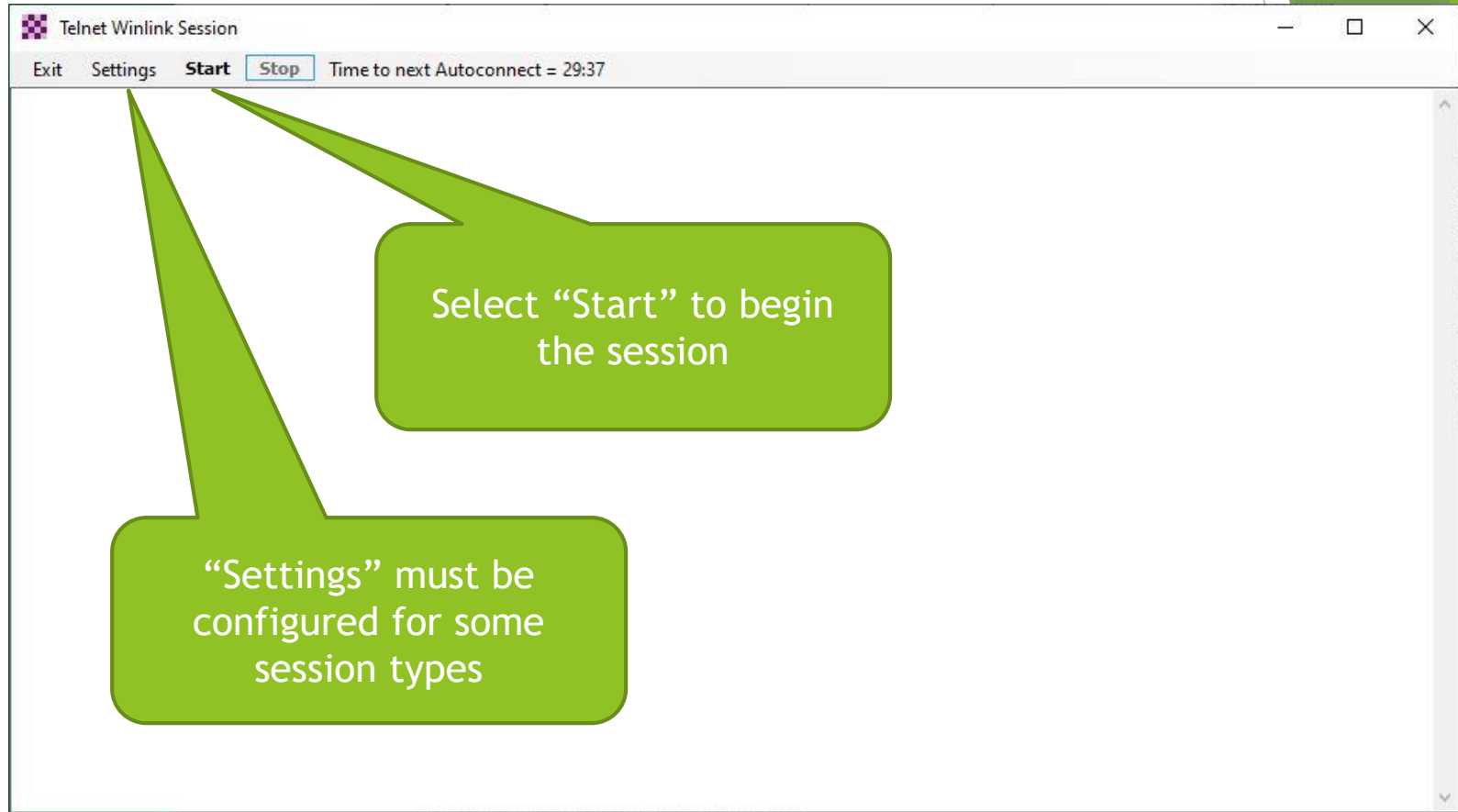
W2JCL Settings Message Attachments Move To: Saved Items Delete Open Session: Telnet Winlink Logs Help

No active session.

	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (0 unread)	2019/11/01 14:07	VGUPC7F2GXDF	4984	N6UQ	N6UQ	W6JDG...	Re://WL2K 213-Nuts-Happy Halloween
Read Items (0)	2019/11/01 03:48	C704PW58R4EJ	1915	W6JDG	W6JDG	K6OLI...	WL2K 2019 Zombie Apocalypse DRILL - Part 3
Outbox (0)	2019/10/29 20:16	4ZYE136P1PVK	544	W6JDG	W6JDG	K6OLI...	Re://WL2K Signal to noise
Sent Items (89)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	CK: Re://WL2K Gateway update and frequency Chang
Saved Items (0)	2019/10/29 20:04	1IFMYA2A09S6	1975	W6JDG	W6JDG	W2JCL	ANL3K6B- 213-2019-7-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-12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# Sending & Receiving Messages

## ► Open Session: Telnet Winlink



# ICS-309 Message Log

## ► Message | Generate ICS-309 Communication Log

**Generate ICS-309 Communication Log**

**Generate an ICS-309 Communication Log as a pdf File**

Select Message Mailboxes

<input checked="" type="checkbox"/> Inbox	<input checked="" type="checkbox"/> Outbox	<input type="checkbox"/> Drafts	<input type="checkbox"/> Personal 1: <input type="text"/>
<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Sent	<input type="checkbox"/> Deleted	<input type="checkbox"/> Personal 2: <input type="text"/>
<input checked="" type="checkbox"/> Saved			

Message Date Range

<input checked="" type="checkbox"/> Limit start date/time:	<input type="text" value="2019-08-31"/>	<input type="text" value="00:01"/>	(Local time)
<input checked="" type="checkbox"/> Limit end date/time:	<input type="text" value="2019-08-31"/>	<input type="text" value="23:59"/>	(Local time)

Options

☒ Separate entry for each recipient  
☐ Combine recipients into a single entry

Task ID:

Task Name:

Operational period:

Operator name:

Station ID:

Output pdf file:





# Address Lists

## ► Settings | Group Addresses...

Winlink Express 1.5.25.0 - W2JCL

W2JCL Settings Message Attachments Move To: Saved Items Delete Open Session: Telnet Winlink Logs Help

No active session.

System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (0 unread)	2019/11/01 14:07	VGUPC7F2GXDF	4984	N6UQ	N6UQ	W6JDG...	Re://WL2K 213-Nuts-Happy Halloween
Read Items (0)	2019/11/01 03:48	C704PW58R4EJ	1915	W6JDG	W6JDG	K6OLI...	//WL2K 2019 Zombie Apocalypse DRILL - Part 3
Outbox (0)	2019/10/29 20:16	4ZYE136P1PVK	544	W6JDG	W6JDG	K6OLI...	Re://WL2K Signal to noise
Sent Items (89)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	ACK: Re: //WL2K Gateway update and frequency Chang
Saved Items (0)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	//WL2K Re: 213-2019 Zombie Apocalypse-LAC-NEWAM
Deleted Items (0)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	//WL2K Re:213-2019 Zombie Apocalypse-LAC-NEWAM
Drafts (0)	2019/10/29 20:05	SVC2Y9QE4FYE	423	W6JDG	W6JDG	W2JCL	//WL2K Signal to noise
Personal							
ARES P2P (0)							
Global Folders							
Contacts							

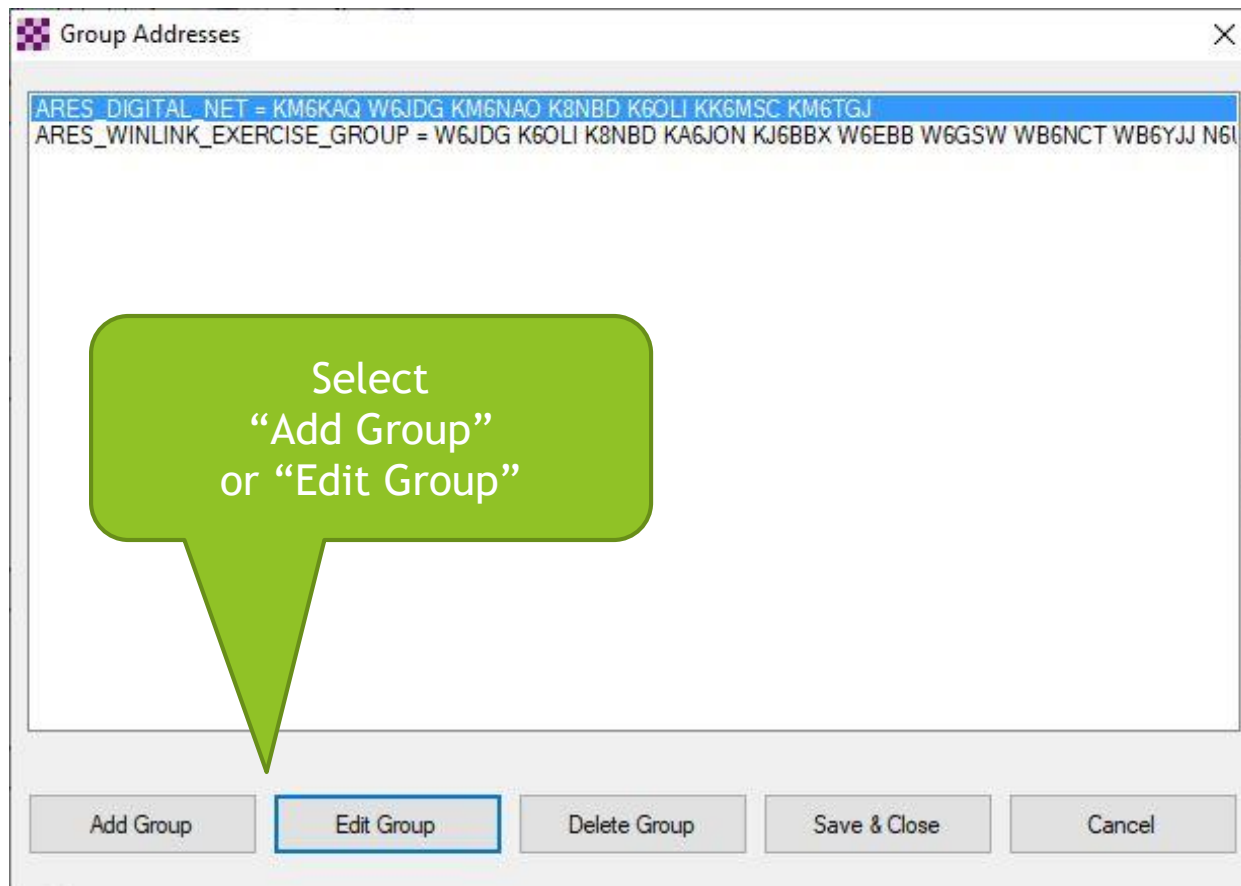
W6EBB; W6GSW; WB6NCT; WB6YJJ; N0PRO; AI6ME; KM6IGY; KM6KAQ;  
KE6IGF; K16SC; AC6LS; KM6OOW; KR6AOM; KR6ZVQ; KR6CV; K6NHI; k6ijj@yahoo.com; KM6NAO; N3BKV; W2JCL;  
AJ6AW; KK6HDI; WA9STI; W2NP; N6SPR; KM6TGJ; K6ROQ; KJ6JIY; KN6BKT; KJ6LYS; NOART; W0DHG; AA6LU; AG6OK;  
K6YZF; K6ZHY; AA6PS; AJ6WH; K6CJZ; K6KIE; KK6CKK; WM6M; K1SY  
Cc: johndavidgross@gmail.com  
Source: N6UQ  
Downloaded-from: Post-office:W2JCL-10  
Subject: Re://WL2K 213-Nuts-Happy Halloween

GENERAL MESSAGE (ICS 213)

1. Incident Name: Nuts
2. To (Name and Position): ARES NE WINKINK EXERCISE GROUP
3. From (Name and Position): W6JDG
4. Subject: Happy Halloween
5. Date: 2019-10-27
6. Time: 19:12

# Address Lists

## ► Settings | Group Addresses...



# Address Lists

## ► Group Addresses | Edit Group Address Entry

Edit Group Address Entry

Name of group:

Addresses in Group  
(Separate entries with space or ';')

KM6KAQ  
W6JDG  
KM6NAO  
K8NBD  
K6OLI  
KK6MSC  
KM6TGJ

Select From Contact

Save Cancel

Name the Group, add  
Addresses, and Save



# Software (as of 11/6/2019)

- ▶ Winlink - version 1.5.25.0
  - ▶ [https://downloads.winlink.org/User Programs/](https://downloads.winlink.org/User%20Programs/)
- ▶ Soundmodem - version 1.05
  - ▶ <http://uz7.ho.ua/packetradio.htm>
- ▶ VARA FM - version 1.2.9
  - ▶ <https://rosmodem.wordpress.com/>
- ▶ VARA HF - version 3.0.4
  - ▶ <https://rosmodem.wordpress.com/>

