

ETO Blood Availability Form, General Message (ICS 213)

XML downloading and importing, Maps/CSV, Attachments

Exercise Message Submission Window

- September 12 00:00 UTC — September 18 08:00 UTC

Difficulty Level: **Advanced**

Purpose:

Introduce ETO participants to the Blood Availability form. Learn or reinforce the ability to download GIS enabled report forms XML export file, along with importing the XML file into Winlink Express to be reviewed and utilized for exercise. Making use of the imported messages to learn or reinforce the skill of employing the Mapping/GIS function to generate, filter, and save a trimmed map and a CSV file. Utilize the CSV file to compute a sum of requested data. Create a new message using the ICS-213 form, attaching the map and CSV file to a properly addressed ICS-213 form with the two requested data in the message box.

Objectives:

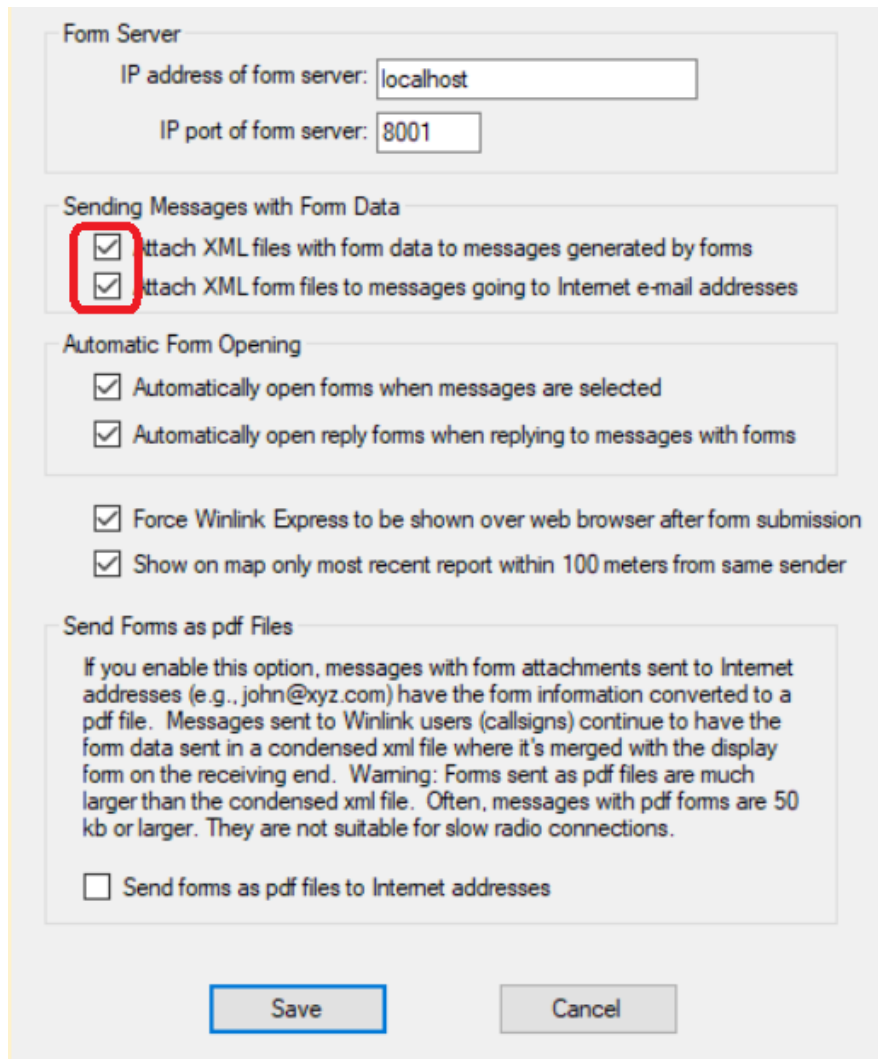
- Download an XML file containing 16 Blood Availability Reports.
- Import and review the messages into Winlink Express. These messages contain the Blood Availability reports representing 16 hospitals in Colorado.
- Use Winlink features to generate GIS Map, with filters, and a CSV file of the 16 Blood Availability Reports.
- Create a new ICS-213 message.
- Crop and resize the generated map to a specific size in kilobytes, and attach this modified map to the ICS-213 form.
- Employ the CSV file to compute the requested data and place this number in line 2 of the message section of the ICS-213.
- Transmit the completed ICS 213 General Message with the attached jpeg map and CSV files to your **ETO Clearinghouse** and the tactical address **ETO-BK**.

Resources:

1. General Notes on Frequently-Seen Mistakes:
 - 1.1. https://emcomm-training.org/Winlink_Thursdays.html
2. Finding your ETO clearinghouse:
 - 2.1. <https://emcomm-training.org/General-Drill-Info.html>
3. ETO Location Instructions — With or Without a GPS Receiver for your Computer [PDF]
 - 3.1. <https://emcomm-training.org/Santa-2023/ETO-Location-Notes.pdf>
4. Importing, Mapping, Cropping, Resizing, and Attaching files video: <https://www.youtube.com/watch?v=eMhTzfHwshg>
5. How a GIS map-capable form's default position is determined:
 - 5.1. From within Winlink Express Click on **Help** ⇒ **Help Contents...**, expand **Operation**, click on **GIS Mapping Forms & Catalog Items**
 - 5.2. GIS Mapping
 - 5.2.1. Under the contents of "GIS Mapping & Catalog Items"
 - 5.2.1.1. Details under "Reception of Reports section"
 - 5.3. Cropping and Resizing Images
 - 5.3.1. Under the contents of "Editing, Cropping and Resizing Images"
 - 5.4. File Attachments
 - 5.4.1. Under the contents of "Adding Attachments to Messages"
6. Opening CSV files in spreadsheet program
 - 6.1. Excel <https://www.youtube.com/watch?v=jw1DSuqr3ew>
 - 6.2. LibreOffice Calc https://www.youtube.com/watch?v=6PcrS_Zkc-U
 - 6.3. Google Sheets <https://www.youtube.com/watch?v=C3ic0jqAWJY>
7. AutoSum Σ
 - 7.1. Excel <https://www.youtube.com/watch?v=CjHQjyWzWd8>
 - 7.2. LibreOffice Calc <https://www.youtube.com/watch?v=EwKdafs8Ebw>
 - 7.3. Google Sheets <https://www.youtube.com/watch?v=Lk4QZ3vlpk0>

Special Configurations 1:

- Recent configurations of Winlink have provided options on whether transmission of Form Data XML files for the current form are transmitted with each document. If not transmitted, the HTML form will not display on the receiving station's browser; and, the ETO Feedback process uses this form data XML to parse the data in the exercise, so it should be provided. Ensure that the Send Data with Form Data settings are as configured for ETO Exercises submissions.
- This dialog can be found under **Settings** ⇒ **Form settings...**



The image shows a 'Form settings' dialog box with several sections. The 'Form Server' section has input fields for 'IP address of form server' (localhost) and 'IP port of form server' (8001). The 'Sending Messages with Form Data' section has two checked checkboxes: 'Attach XML files with form data to messages generated by forms' and 'Attach XML form files to messages going to Internet e-mail addresses'. The 'Automatic Form Opening' section has two checked checkboxes: 'Automatically open forms when messages are selected' and 'Automatically open reply forms when replying to messages with forms'. Below these are two more checked checkboxes: 'Force Winlink Express to be shown over web browser after form submission' and 'Show on map only most recent report within 100 meters from same sender'. The 'Send Forms as pdf Files' section contains a paragraph of text explaining the option and a checkbox labeled 'Send forms as pdf files to Internet addresses' which is currently unchecked. At the bottom are 'Save' and 'Cancel' buttons.

Form Server

IP address of form server: localhost

IP port of form server: 8001

Sending Messages with Form Data

- ☒ Attach XML files with form data to messages generated by forms
- ☒ Attach XML form files to messages going to Internet e-mail addresses

Automatic Form Opening

- ☒ Automatically open forms when messages are selected
- ☒ Automatically open reply forms when replying to messages with forms

- ☒ Force Winlink Express to be shown over web browser after form submission
- ☒ Show on map only most recent report within 100 meters from same sender

Send Forms as pdf Files

If you enable this option, messages with form attachments sent to Internet addresses (e.g., john@xyz.com) have the form information converted to a pdf file. Messages sent to Winlink users (callsigns) continue to have the form data sent in a condensed xml file where it's merged with the display form on the receiving end. Warning: Forms sent as pdf files are much larger than the condensed xml file. Often, messages with pdf forms are 50 kb or larger. They are not suitable for slow radio connections.

☐ Send forms as pdf files to Internet addresses

Save Cancel

Special Configurations 2:

- Remove any Automatic Message Forwarding and/or Message Notification.
- This dialog can be found under **Settings** ⇒ **Message Notification and Forwarding...**

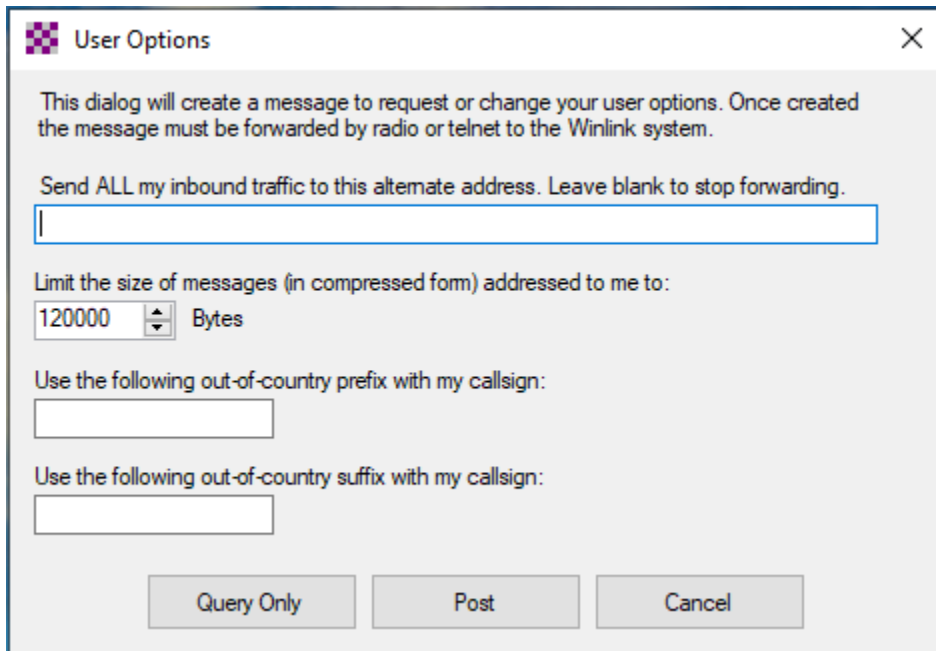
The screenshot shows a window titled "Message Notification and Forwarding" with a standard Windows title bar (minimize, maximize, close buttons). The window contains three main sections:

- New Message Notification Sound:**
 - "Make sound if message priority is at least this high:" with a dropdown menu set to "Priority".
 - "New message notification sound:" with a dropdown menu set to "(none)".
 - A checked checkbox "Repeat sound until message is read" and a "Stop the sound" button.
- Automatic Message Notification:**
 - Two unchecked checkboxes: "Send notification of new message arrivals" and "Only notify during this time period:". The second checkbox has time pickers set to "07:00" and "17:00" with a "till" label.
 - "Notify if the message priority is at least this high:" with a dropdown menu set to "Routine".
 - A text input field for "Addresses to notify (separate with comma or semicolon)".
- Automatic Message Forwarding:**
 - An unchecked checkbox "Automatically forward messages to the specified addresses".
 - "Forward if the message priority is at least this high:" with a dropdown menu set to "Priority".
 - An unchecked checkbox "Upload to CMS immediately if Internet is available, otherwise put in Outbox".
 - A text input field for "Addresses to forward to (separate with comma or semicolon)".

At the bottom of the window are two buttons: "Save" (highlighted with a blue border) and "Cancel".

Special Configurations 3:

- Turn off CMS forwarding
- This dialog can be found under **Settings** ⇒ **CMS Forwarding and User Options...**



The image shows a 'User Options' dialog box with a close button (X) in the top right corner. The dialog contains the following text and controls:

This dialog will create a message to request or change your user options. Once created the message must be forwarded by radio or telnet to the Winlink system.

Send ALL my inbound traffic to this alternate address. Leave blank to stop forwarding.

[Empty text input field]

Limit the size of messages (in compressed form) addressed to me to:

120000 [Spin button] Bytes

Use the following out-of-country prefix with my callsign:

[Empty text input field]

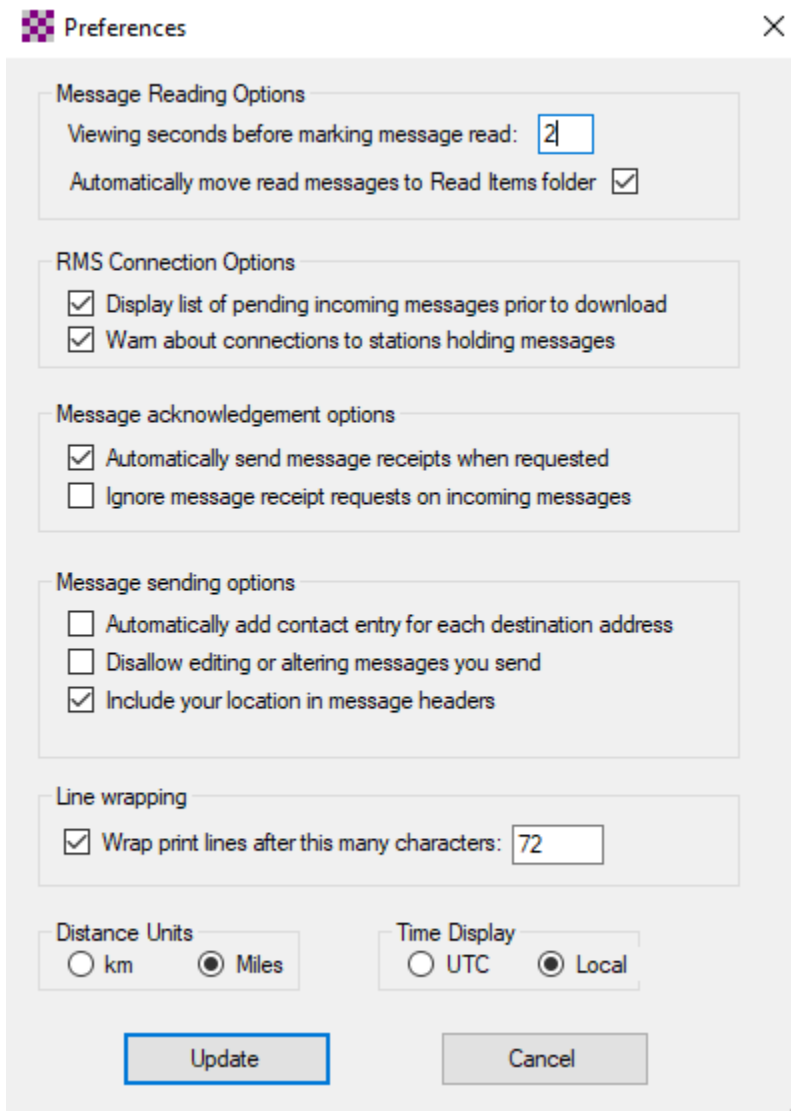
Use the following out-of-country suffix with my callsign:

[Empty text input field]

At the bottom, there are three buttons: 'Query Only', 'Post', and 'Cancel'.

Special Configurations 4:

- The imported messages will not show up in any of your System Folders (Inbox, Read Items, Outbox, etc). In order to show these messages in the Read Items check the Automatically move read messages to Read Items folder.
- This dialog can be found under **Settings** ⇒ **Preferences...**



The image shows the 'Preferences' dialog box in Winlink. It has a title bar with a purple icon and a close button. The dialog is organized into several sections, each with a title and a list of options. The 'Message Reading Options' section includes a text field for 'Viewing seconds before marking message read' (set to 2) and a checked checkbox for 'Automatically move read messages to Read Items folder'. The 'RMS Connection Options' section has two checked checkboxes: 'Display list of pending incoming messages prior to download' and 'Warn about connections to stations holding messages'. The 'Message acknowledgement options' section has a checked checkbox for 'Automatically send message receipts when requested' and an unchecked checkbox for 'Ignore message receipt requests on incoming messages'. The 'Message sending options' section has three checkboxes: 'Automatically add contact entry for each destination address' (unchecked), 'Disallow editing or altering messages you send' (unchecked), and 'Include your location in message headers' (checked). The 'Line wrapping' section has a checked checkbox for 'Wrap print lines after this many characters' (set to 72). At the bottom, there are two groups of radio buttons: 'Distance Units' with 'km' and 'Miles' (selected), and 'Time Display' with 'UTC' and 'Local' (selected). Below these are 'Update' and 'Cancel' buttons.

Preferences

Message Reading Options

Viewing seconds before marking message read: 2

Automatically move read messages to Read Items folder ☒

RMS Connection Options

☒ Display list of pending incoming messages prior to download

☒ Warn about connections to stations holding messages

Message acknowledgement options

☒ Automatically send message receipts when requested

☐ Ignore message receipt requests on incoming messages

Message sending options

☐ Automatically add contact entry for each destination address

☐ Disallow editing or altering messages you send

☒ Include your location in message headers

Line wrapping

☒ Wrap print lines after this many characters: 72

Distance Units

☐ km ☒ Miles

Time Display

☐ UTC ☒ Local

Update Cancel

Optional: Backup databases

1. From within the Winlink Express application, click on **Settings** and select **Backup and Restore databases**.
3. Select **Backup databases now**.
4. Click **OK** when the “backup was successful” dialog box appears.
5. Close Backup Options.

Optional: Review Winlink Express Help Files

- All steps in this drill have been covered in previous exercises. To re-familiarize yourself, review the Winlink Express Help built into Winlink Express. The particular contents of the Help are outlined in section 5 of the Resources within this document.

Interesting Read taken from Winlink Blood Availability - Form Instructions

Blood Availability INTRODUCTION.

This template was developed by KW6GB and K4PUF as a radio delivery template to report blood product availability in a consistent format that also provides CSV data for collating by the recipient and mapping data for graphical representation of the location of resources. It is modeled on the Blood Availability board in the web-based Virginia Hospital Alerting and Status System (VHASS) but could be used by any agency with a need for the information.

READ:

This initial Blood Availability HTML can be used outside of Winlink Express. A non-Winlink-Express user can complete the Blood Availability initial.html form, SAVE the data, and then pass that SAVED data to the radio operator. The radio operator can LOAD that data file into their Blood Availability form to send to its destination via Winlink.

Blood Availability & ICS-213 Exercise Instructions – Concise:

Part 1: Prep (pg 7)

- ❖ Open Winlink Express and update if prompted to do so.
- ❖ Remove Automatic Message Forwarding and/or Message Notification.
Turn off CMS forwarding.

Part 2: Utilizing the search icon to clear existing Blood Availability Reports. (pg 9)

Part 3: Download the GIS Enabled Report Forms XML export file. (pg 9)

- ❖ [2026-09-17-Exercise-Messages-To-Be-Imported.xml](#)
- ❖ The file will contain 16 Blood Availability Reports.

Part 4: Open, import, and review the GIS Enabled Form Data XML export File. (pg 10)

- ❖ Review each of the 16 messages.

Part 5: Generating Map and CSV file of the 16 Blood Availability Reports. (pgs 11 & 14)

- ❖ Map
 - Zoom-in to Colorado
 - Filter: Red Blood O- (Neg) <=10 Red
 - Make note of the number of red flags.
 - Save jpeg file as *ETO-CO16_BA_map.jpg*

- ❖ **CSV**

- Save csv file as *ETO-CO16_BA_spreadsheet.csv*

Part 6: Utilizing a spreadsheet program calculate the total number of Red Blood O- (Neg) from the 16 Blood Availability Reports. (pg 12)

Part 7a: ICS-213 Message - Attachments-Cropped and Resized Map and CSV Files (pgs 12 & 13)

- ❖ Open new Message
- ❖ Map - in Attachment window Add and Edit
 - Crop Colorado to just outside boundaries.
 - Resize to 50kb
- ❖ Attach map and CSV files to message.

Part 7b: Select ICS-213 template (pg 13)

Part 7c: Fill out the top section's Agency/Group Name (pgs 13-15)

Part 7d: Populate form (pgs 13-15)

Part 8: Send your ICS-213 to your ETO Clearinghouse and ETO-BK via Telnet. (pg 16)

Blood Availability & ICS-213 Exercise Instructions – Detailed:

Part 1: Prep

1. Open or restart the Winlink Express application.
2. Allow any updates to occur if prompted to do so.
3. Remove any Automatic Message Forwarding and/or Message Notification set within the Message Notification and Forwarding Window via Settings -> Message Notification and Forwarding. (pg 4)
4. Turn off CMS forwarding via Settings -> CMS Forwarding and User Options. (pg 5)
5. Having these options enabled may cause issues with ETO exercises, so please disable them while performing the exercises. If you need them enabled, you may reactivate them afterward.

Part 2: Clear existing Blood Availability Reports

1. Click on the **Magnifying Glass** icon on the Winlink express Menu bar.
2. Type 'Blood Availability' in the Search text window.
3. **Field to search:** select **Subject**
4. Click on the **Select Matching Messages** button.
5. If messages are found, select all of the messages. (Ctrl A or holding down Ctrl button select each message).
6. Click on the **Delete** on the Winlink express Menu bar.
7. Repeat Step 1 and click on Cancel Message Selection.

Part 3: Download the GIS Enabled Report Forms XML export file.

- The default filename of the Blood Availability Data file containing the 16 GIS enabled forms that must be imported to perform the drill is "2026-09-17-Exercise-Messages-To-Be-Imported.xml".
- Click on the following link to download file:
[2026-09-17-Exercise-Messages-To-Be-Imported.xml](#)
- The file will contain 16 Blood Availability Reports.
- Make note of where the file is saved.

Part 4: Import and review the GIS Enabled Form Data XML export file

1. Confirm Preference setting *Automatically move read messages to Read Items folder* is checked. (Refer to the above Special Configuration 4 on pg 6).
2. Click on **Message** and select **Import Messages**.
3. Select **Browse** and go to the folder that contains the saved Blood Availability Reports (2026-09-17-Exercise-Messages-To-Be-Imported.xml).
4. Select the downloaded file and click **Open**.
5. Select **Import**.
6. In the **Import finished** pop-up confirm that the **Number of messages imported = 16**, then click **OK**.
7. **Double-click** on each of the Blood Availability Report Messages.
8. Close each message after review.

NOTE: Reviewing each message is necessary to make the message available for the Mapping system.

Part 5: Generating Map and CSV file

1. Open the **Maps and CSV/KML Files for Forms** using one of the following methods:
 - a. Click on the **Globe** icon on the Winlink express Menu bar.
 - b. Click on **Message and select Generate maps and CSV files for forms.**
2. **Select from:** Select **Blood Availability** from drop down menu.
3. **Map provider:** Select **Bing** from drop down menu.
4. Click on the **Display Map** button.
5. Click the Maximize button to expand the window to full screen.
6. Zoom-Out all the way to locate the state of Colorado.
7. Zoom-In and center the state of Colorado by right clicking and dragging your mouse.
8. Zoom-In until the top and bottom borders of Colorado are just inside the window of the map.
9. In the **Map** window click on **Set Filters**.
10. Under **Filter Map by field Values:**
 - a. **Enable map filtering** Check
 - b. **Include text fields such as comments as filter items** Uncheck
 - c. Radio button **Select reports that match ANY enabled filter item**
 - d. In **Form field** box, for **Red Blood O-**
 - i. Set the equality operator: Less Than or Equal To (<=)
 - ii. Selection Value: 10
 - iii. Marker Color: Red
 - e. Under **Which markers to show on map** select Radio button **Display all markers using colors to indicate selected ones**
11. Click the **Save** button.
12. Take note of the number of red markers on the map for input into ICS 213 Message.
13. In the **Map** window click on **Save as jpeg**. Click on **Browse** to select a file location and name the file "ETO-CO16_BA_map.jpg". (I suggest making a folder on the desktop to save your jpeg and csv files).
14. Close the **Map** window.
15. Click on the **Generate CSV File** button to open the *Generate CSV File for Blood Availability* window.
 - a. Column Delimiter: Comma
 - b. Include only reports corresponding to markers shown on map: check
 - c. CSV Output File
 - i. Click the Browse button to open Windows Explorer Window

- ii. Pick file location
- iii. Save as "ETO-CO16_BA_spreadsheet.csv"
- iv. Click the *Generate CSV File* button
- v. A pop-up box will open to confirm the number of records written, click *OK* button.
- d. Click on the *Exit* button.
- e. Click on the *Close* button.

Part 6: Calculating number of Red Blood O Neg

1. Review your ETO-CO16_BA_spreadsheet.csv file in a spreadsheet program such as Excel, LibreOffice Calc, Google Sheets, etc. (Refer to Resources item 6 on pg 2).
2. Using Autosum, calculate the number of O neg Red Blood units. (Refer to Resources item 7 on pg 2).
3. Save file.
4. Close the spreadsheet program.

Part 7a: ICS-213 Message - Attachments-Cropped and Resized Map and CSV files

1. Click on the *Message > New Message* menu items.
2. In the *Enter a new message* window, verify that *Send As* is set to *Winlink Message*.
3. In the message window menu, select **Attachments**.
4. In the **Attachments** window, click **Add**.
5. Find and select the ETO-CO16_BA_map.jpg file in the **Select An Attachment** dialog window.
6. Click on the **Open** button.
7. In the **Attachments** window, highlight the jpeg file.
8. Click on **Edit/Resize-Image**.
9. Select the region along the outside boundaries of the state of Colorado.
10. Click on the **Crop** button.
11. Click on **Resize**. In the **Desired size (kb)**: enter 50.
12. Click on the **Change Size** button.
13. Click the **Save** button.
14. Click on **Save changes**.
15. Validate the jpeg size is now close to 50 kb.

16. In the **Attachments** window, click **Add**.
17. Find and select the ETO-CO16_BA_spreadsheet.csv file in the **Select An Attachment** dialog window.
18. Click on the **Open** button.
19. Click **Finished**.

Note: Winlink requires attachments to be added to the message before selecting the template.

Part 7b: ICS-213 Message - Selecting template

1. Within the Message window, click on *Select Template* menu item and then expand the list item *Standard Forms*.
2. Scroll down if necessary and expand the sub-list item *MAPPING-GIS FORMS*.
 - Note: This is an alternative to expanding *ICS USA Forms* which also has a copy of the template that uses the ICS 213 HTML form.
3. Select *ICS213 General Message.txt* list item and open it, click on the *Select* menu item.
4. The HTML form labeled *General Message (ICS 213)* will open in your default browser.

Part 7c: Fill out the top section's Agency/Group Name

1. Click the Setup button and enter **EmComm Training Organization**.
2. Click on OK, and note that **EmComm Training Organization** is now inserted at the top of the form.
3. Check the box labeled *THIS IS AN EXERCISE*.

Part 7d: Populate the ICS 213 Message Fields

- ❖ 1. *Incident Name*: insert **ETO Blood Availability**.
- ❖ 2. *To Name*: insert your ETO Clearinghouse address.
- ❖ 3. *From*: insert your call sign followed by a space, a slash (/), a space, and then the text: **ETO Winlink Thursday Participant**.
- ❖ 4. *Subject*: insert **ETO Exercise Sept 17, 2026**
- ❖ 5. *Date*: click and respond OK to insert the provided Date value.
- ❖ 6. *Time*: click and respond OK to insert the provided Time value.
- ❖ 7. *Message*: on 2 separate lines provide the following information

numbers only. (Refer to example of ICS-213 message on page 15).

- Number of Hospitals with O- Red Blood units of a count less than or equal to 10 (Red flags on map)
- Total number of O- Red Blood units (Sum from your CSV sheet)
- ❖ 8. *Approved by:* insert your first name, comma, a space, and personal callsign (Name, Callsign).
- ❖ 8b. *Position / Title:* insert **ETO participant**.
- ❖ Location Coordinates: If MGRS is blank, add a zero to the end of the Latitude and tab, this should fill in your MGRS. (Refer to item 3 in Resources on pg 2).
- ❖ Click the *Save ICS213 INITIAL Data* button. Click the *OK* button in the pop-up box. Browse to location to save your data file and click *Save* button.
- ❖ Click the *Submit* button. Click the *OK* button in the pop-up box.

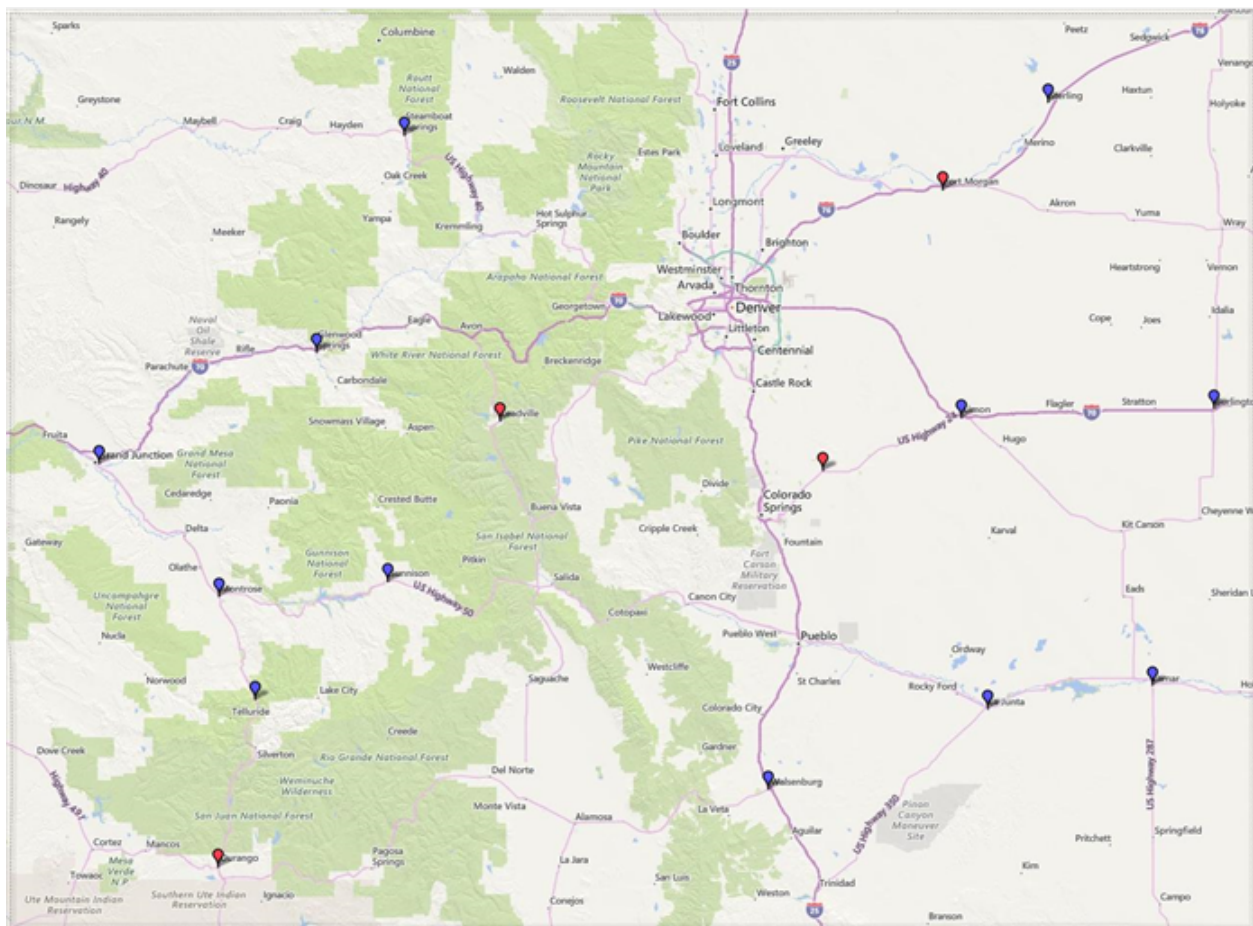
Part 8: Send the ICS-213 Reply with Attachments via Winlink Telnet

1. Address the message to your ETO Clearinghouse.
2. Set the CC field to **ETO-BK**.
3. Click on *Post to Outbox* on the menu bar.
4. Check the Outbox folder to verify your message is in the Outbox.
5. Select your session type from the drop-down list to the right of the *Open Session* button.
6. Click the *Open Session* button. The Open Session Window will open.
7. If applicable, pick an appropriate *Channel Selection*.
8. Click Start to send your message.

End of instructional Notes.

Example of Blood Availability Map:

Note: Number of Red flags on this example is not correct



Example of completed General Message (ICS 213) form:

General Message (ICS 213)			
EmComm Training Organization			
☒ THIS IS AN EXERCISE		Load ICS213 INITIAL Data	
Form Instructions			
1. Incident Name: ETO Blood Availability			
2. To (Name/Position): ETO-04			
3. From (Name/Position): AE5MI / ETO Winlink Thursday Participant			
4. Subject: ETO Exercise Sept 17, 2026		5. Date: 2026-09-17	6. Time: 15:17
7. Message:			
4 203			
8. Approved by: Yvette, AE5MI		8b. Position / Title: ETO participant	
Optional Location Coordinates			
Latitude 30.520833	Longitude -89.125000	MGRS 16RBU9610478420	Grid EM50km
LAT/LON and MGRS default to the center of the grid square listed in Express Settings, unless a GPS is used or Lat/LON or MGRS are entered manually. For Winlink mapping and CSV export you must enter a latitude and longitude.			
Submit	Save ICS213 INITIAL Data	Reset Form	Ver 43.48

Numbers only:

1st line → number of Red Flags on map

2nd line → Total number of Red Blood O-

Note: the numbers in the example are not correct.

Example of completed message with attachments:

Edit a draft message entered by AE5MI

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

From: AE5MI Send as: Winlink Message ☐ Request message receipt Set Defaults

To: ETO-04;

Cc: ETO-BK

Subject: ICS-213: ETO Exercise Sept 17, 2026 - 2026-09-17 15:17

Attach: ETO-CO16_BA_map.jpg; ETO-CO16_BA_spreadsheet.csv; RMS_Express_Form_ICs213_Initia

GENERAL MESSAGE (ICS 213)
EmComm Training Organization
** THIS IS AN EXERCISE **
1. Incident Name: ETO Blood Availability
2. To (Name and Position): ETO-04
3. From (Name and Position): AE5MI / ETO Winlink Thursday Participant
4. Subject: ETO Exercise Sept 17, 2026
5. Date: 2026-09-17
6. Time: 15:17
7. Message:

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8. Approved by: Yvette, AE5MI
8a. Position/Title: ETO participant
[Sender: AE5MI Lat: 30.520833, Lon: -89.125000, MGRS: 16RBU9610478420; Location source: Form entry]

Express Sending Station: AE5MI
Senders Express Version: 1.8.0.0
Senders Template Version: ICS 213 v.43.8
[No changes or editing of this message are allowed]

(No changes or editing of this message are allowed)

Beyond the Exercise

- Do you belong to an emergency communication or hospital radio group? Or participate in your state's SET?
 - If so, consider using the Blood Availability Report form for an exercise.
 - Simulate non-Winlink Express users filling out forms and saving as text for you to import into Winlink Express.
 - https://winlink.org/sites/default/files/RMSE_FORMS/express_form_creation_by_a_non_express_user_2.pdf
 - <https://www.youtube.com/watch?v=lv2ij3nf2ak>
 - Create a map and a CSV file for quick access to information. Hint: In the *Maps and CSV/KML Files for Forms > Display Map* you can hover over the flag for information, left click mouse for more information, and right click mouse to print report or copy report to clipboard.
- Practice using AutoSum Σ in your spreadsheet program to find the totals of each Red Blood type and each Plasma type.
- In the *Maps and CSV/KML Files for Forms > Display Map* review the *Summary*. Explore the *Select fields to include in Summary* and select the fields you would like to include in your summary.

Uses of the Winlink Express Blood Availability Form

The Winlink Express Blood Availability form serves various important functions, particularly in emergency situations and community events. Below are some key examples of its uses:

Emergency Response Coordination

- **Disaster Relief:** During natural disasters, the form helps coordinate blood donations and track the availability of blood supplies in affected areas.
- **Medical Emergencies:** Hospitals can use the form to request blood from nearby facilities, ensuring timely access to necessary resources.

Community Events

- **Blood Drives:** Organizations can report on blood availability during community blood drives, helping to manage donor contributions effectively.
- **Health Fairs:** The form can be utilized at health fairs to monitor blood supply status and encourage donations.

Communication and Reporting

- **Status Updates:** Amateur radio operators can use the form to communicate the current status of blood supplies to relevant agencies and organizations.
- **Data Collection:** The form aids in collecting data on blood availability, which can be analyzed for future planning and resource allocation.

Collaboration with Agencies

- **Partnerships:** The form facilitates collaboration between amateur radio operators and health agencies, enhancing the overall efficiency of blood donation efforts.
- **Tracking Trends:** By reporting blood availability, the form helps track trends in blood donations and needs over time, informing future campaigns.

These uses highlight the versatility and importance of the Winlink Express Blood Availability form in enhancing emergency preparedness and community health initiatives.