

RMS Express

**Background Message Processing
Using Contacts to Designate Mail Servers
Incoming Message Notification
Automatic Message Forwarding
Message Processing During Incidents**

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Background Message Sending and Polling

- RMS Express has options to turn on background tasks to send messages in the Outbox and check for incoming messages.
- Other operations (such as radio sessions) can be done with the background tasks run.
- Outgoing messages are cleared from the Outbox, and incoming messages appear in the Inbox.
- Can be used with (1) Telnet CMS connections, (2) Network Post Office servers, (3) peer-to-peer Telnet connections.

Enabling Background CMS Telnet Operation

- Open “Settings” on Telnet session screen:

Telnet Properties

Telnet Connection
Telnet by default always connects to the first available CMS site. This is normally all that is required and no telnet properties need to be set.

If you have a need to connect to an RMS Relay site then check the box below and enter a path name to the site. If RMS Relay is running on the same machine as this program use the path name 127.0.0.1.

Use RMS Relay

TCP/IP path to the RMS Relay site:

Local IP address:

Port to connect to: (Default is 8772)

Telnet Session AutoConnect Time

Automatic Background Monitoring
Polling time:
Disabled
1 Hour
2 Hours
4 Hours
6 Hours
8 Hours
12 Hours
24 Hours

Send all messages in Outbox

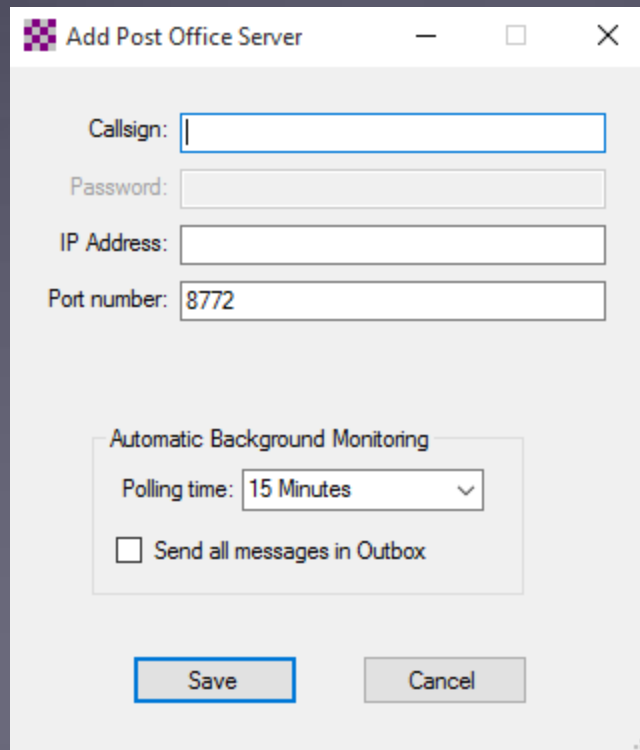
Enable background message processing

Background CMS Telnet Setup

- Select the connection time from 1 hour to 24 hours.
- Optionally check the option “Send all messages in Outbox”.
- If the send-all messages option is enabled, then all messages in the Outbox will be uploaded to a CMS when a background connection is made. If you want to be able to send messages via other means (e.g., radio), do *not* check this option. It should be used only in specialized situations.

Enabling Background Post Office Operation

- A network post office server is provided by RMS Relay.
- Edit a P.O. server entry on the Post Office session screen



Add Post Office Server

Callsign:

Password:

IP Address:

Port number:

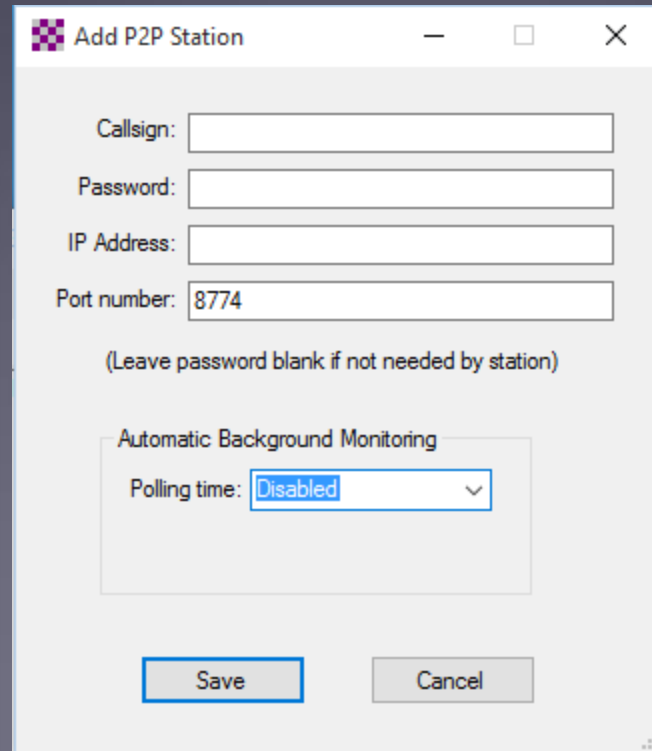
Automatic Background Monitoring

Polling time:

Send all messages in Outbox

Enabling Background P2P Telnet Operation

- Edit a Peer-to-Peer entry on the Telnet P2P screen



✘ Add P2P Station

Callsign:

Password:

IP Address:

Port number:

(Leave password blank if not needed by station)

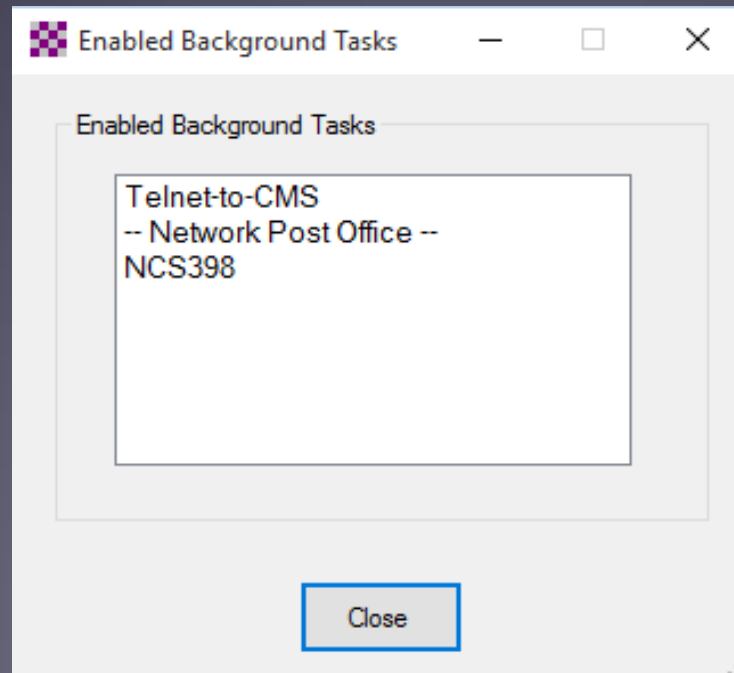
Automatic Background Monitoring

Polling time:

Save Cancel

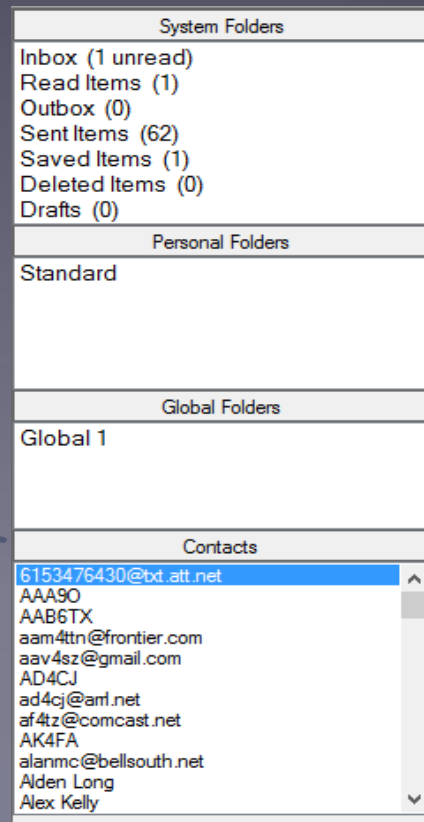
Viewing Enabled Background Tasks

- Click Files/View Background Tasks



Designating Servers with Contacts

- RMS Express includes an address book with contacts.
- Click the “Contacts” bar to open the list.



Click “Contacts” to open the address book.

Adding a Contact Entry

- The “Name” is how messages are addressed to it.
- Open the list of mail servers, and select (CMS), a network post office server or a Telnet P2P connection.

Name of the contact. Use as a To address to send messages to this contact.

Actual e-mail address or callsign

Optionally, select mail server where messages are to be sent.

The screenshot shows the 'Add contact' dialog box. The 'Name' field contains 'ICC'. The 'E-mail' field contains 'W4PHS'. The 'Notes' field contains 'Incident Communication Coordinator'. The 'Mail Server' dropdown menu is open, showing a list of options: '(none)', '(CMS)', '-- Post Office Servers --', 'K1KY', 'W4PHS HOME', 'W4PHS OFFICE', '-- Telnet P2P --', 'W4PHS', and 'XE2BNC'. A 'Cancel' button is located to the right of the dropdown menu.

Sending Messages to a Contact

- Specify the contact name as the recipient
- Message will be sent to the callsign/address at the designated server using a background task.

Use name of contact as To address.

Enter a new message

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

From: W4PHS Winlink Message Peer-to-Peer Message Request read receipt

To: ICC

Cc:

Subject: Incident report

Attach:

This is a sample incident report that needs attention.

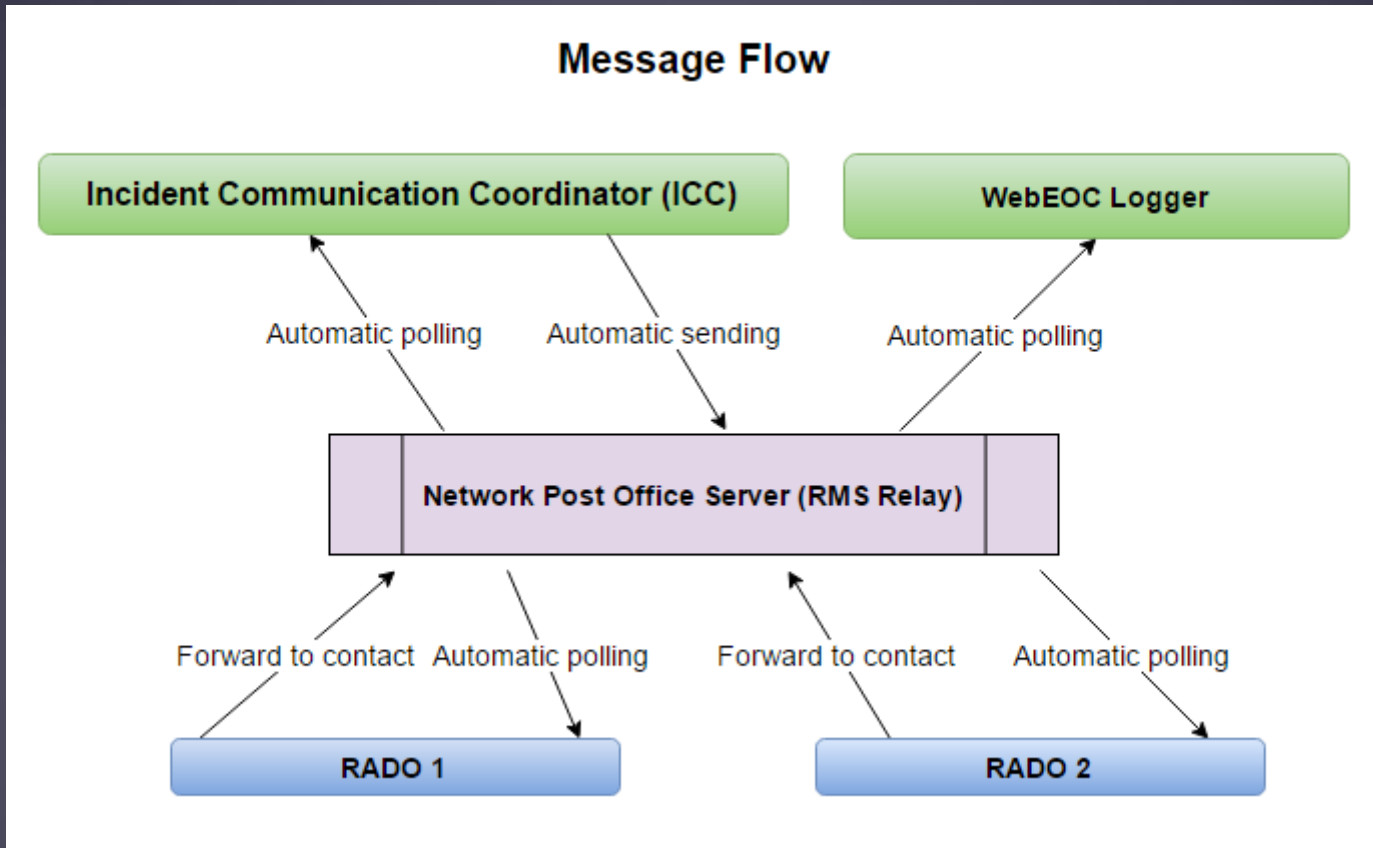
Using Contacts and Background Tasks for Incident Message Management

- A network post office server on a LAN or MESH network is an excellent way to transfer messages from radio operators (RADOs) to one or more incident communication coordinators (ICC).
- RADOs forward messages without change to the ICC using a contact entry with the network post office server selected.
- The ICC uses a background task to poll for incoming messages from the post office server.
- Message replies from the ICC are sent to the post office server for the RADOs to forward to the original sender.

Incident Message Flow

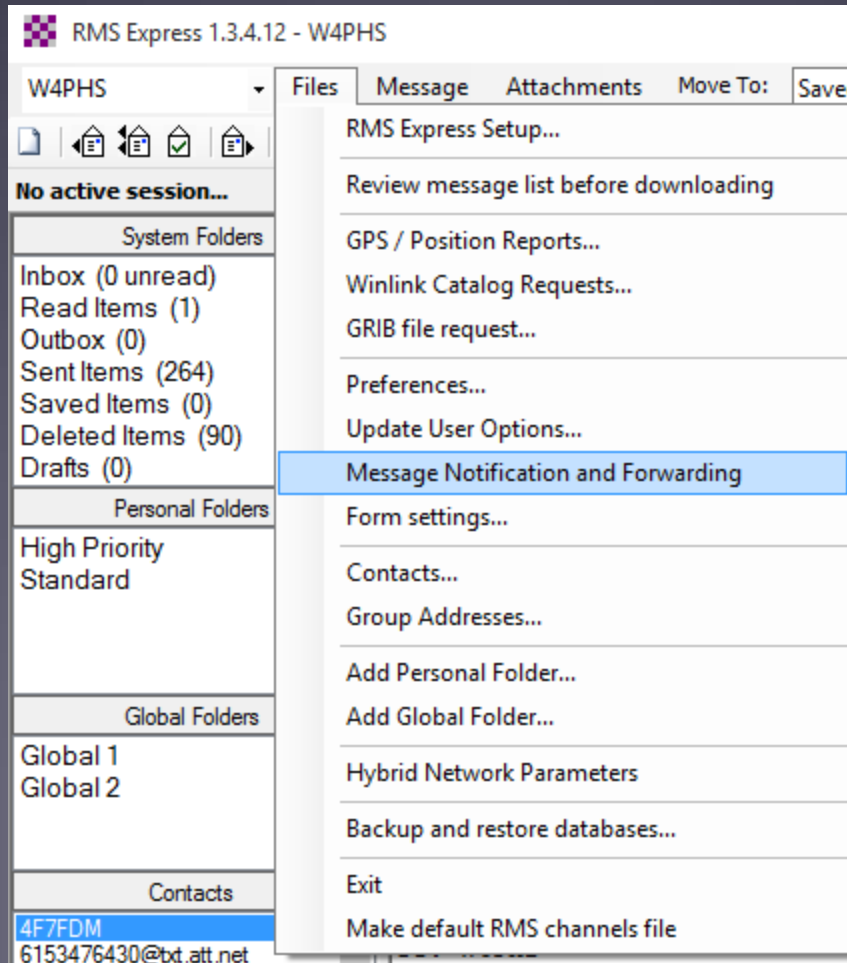
- RADO receives a message via radio.
- RADO queues a message acknowledgement to go via radio.
- RADO forwards the message to the ICC using a contact that directs the message to a network post office server.
- The ICC configures RMS Express to poll the post office server to get incoming messages automatically.
- The ICC turns on the background task option to “Send all message in Outbox”. When the ICC replies to a message, the message is sent to the post office server automatically.
- The RADO does background polling of the post office server to receive replies from the ICC as they are posted.
- The RADO forwards the replies via radio to the original sender.

Message Flow Between RADO and ICC



Incoming Message Notification and Forwarding

Click Files/Message Notification and Forwarding



Message Notification and Forwarding Screen

Message Notification and Forwarding

New Message Notification

Make sound if message priority is at least this high: Priority

New message notification sound: (none)

Repeat sound until message is read

Stop the sound

Automatic Message Forwarding

Automatically forward messages to the specified addresses

Forward if the message priority is at least this high: Priority

Forward via CMS if Internet is available, otherwise put in Outbox

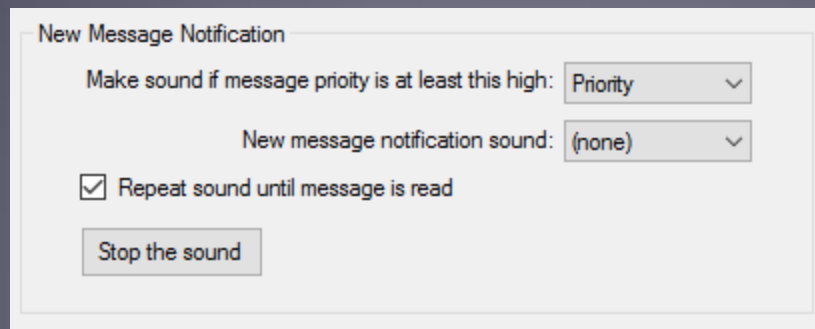
Addresses to forward to (separate with comma or semicolon)

phil@philsherod.com

Save Cancel

Message Notification

- Makes a sound when an incoming message arrives.
- You can select the minimum priority that triggers a sound.
- You can select which sound to make.
- You can decide if you want the sound repeated

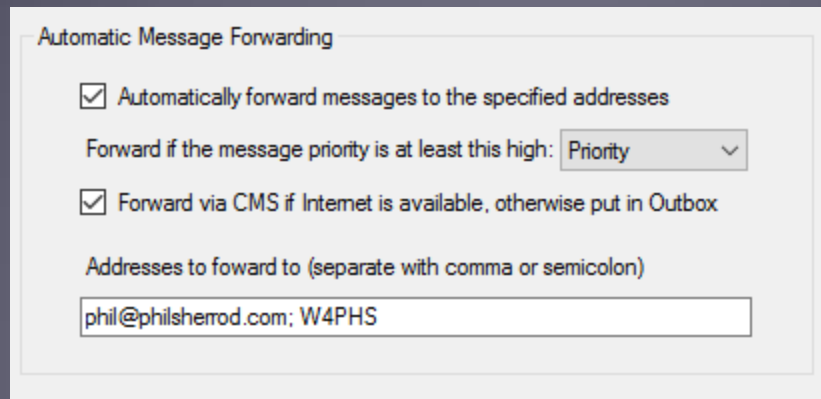


The image shows a screenshot of a software settings dialog box titled "New Message Notification". It contains the following elements:

- A label "Make sound if message priority is at least this high:" followed by a dropdown menu currently set to "Priority".
- A label "New message notification sound:" followed by a dropdown menu currently set to "(none)".
- A checked checkbox labeled "Repeat sound until message is read".
- A button labeled "Stop the sound".

Automatic Message Forwarding

- Automatically forwards incoming messages to one or more addresses (callsigns, e-mail, contacts, groups).
- Can specify minimum priority to trigger forwarding.
- Allow forwarding to a CMS or force posting to Outbox.



Automatic Message Forwarding

Automatically forward messages to the specified addresses

Forward if the message priority is at least this high: Priority ▾

Forward via CMS if Internet is available, otherwise put in Outbox

Addresses to forward to (separate with comma or semicolon)

phil@philsherod.com; W4PHS

Specifying Message Priority in the Subject

Put *//WL2K priority/* in front of subject

- *//WL2K R/* = Routine (normal/default) priority
- *//WL2K P/* = Priority message
- *//WL2K O/* = Immediate priority
- *//WL2K Z/* = Flash (highest) priority

*//WL2K P/*This is a priority message



- Questions?
- Information about Winlink can be found at www.winlink.org
- White papers about Winlink can be found at www.qrz.com/db/W4PHS