



Updating Certificate Authority Files For One-Net™/DASDEC™ EAS/CAP Devices

The One-Net and DASDEC EAS/CAP devices can use a special digital certificate provided by FEMA to validate the authenticity of IPAWS sourced CAP alerts. These certificates are designed to expire at a specific date and time, requiring the issuing authority to issue new certificates from time to time.

The current FEMA certificate will be expiring on August 21, 2021. FEMA recently issued a newer certificate which means IPAWS users should update their equipment before the August 21, 2021 expiration date. Not updating the certificate may result in the error message: *"Event Log:Digital Signature VERIFICATION ERROR : Signer UNTRUSTED! Check for correct CAP decoder CA file.;"* or not processing valid IPAWS alerts.

To update and change the Certificate Authority (CA) file within the EAS device (One-Net or DASDEC):

IMPORTANT NOTE for <u>Firefox Users</u>: The link in Step 1. below has been tested and works correctly with Firefox V89.0.2.

 Download the current certificate authority file IPAWS_Valid-until-04-14-2024.crt from here: <u>http://www.digitalalertsystems.com/download/IPAWS_Valid-until-04-14-2024.crt</u>

NOTE: This certificate expires on April 14, 2024. Prior to that date, FEMA will issue a replacement.

- 2. Navigate to the Setup > Net Alerts > CAP Decode screen
- 3. Select the CAP configuration for IPAWS from the **Select CAP input client** pull-down menu. (*Note: The name may differ from the one shown below.*)

Remote CAP server setup.	DNS is Enabled (75.114.81.1)
*FEMA IPAWS Select CAP input client There are 3 defined client interfaces (max is 10). Decode Channel: 'CAP1'	Add CAP Client Interface (effective immediately) Duplicate CAP Client Interface (effective immediately) Delete this CAP interface (effective immediately)
FEMA IPAWS	Client Interface Name
FINABLE Client Interface. Enabled. Uncheck to disable client.	

(continues on next page)

4. Scroll down and enable the View Advanced Options check box. The advanced options will appear.

Poll CAP from IPAWS Open 2.0 Server.								
	- 🖤 Coi	nnected (up 0:	01:16) Las	st alert info at 'Thu J	ul i	8 13:31:52 2021'		
en		EN provides access to national and localized CAP formatted EAS alerts. Enter the web hoat address (without https or http, eg. apps.fema.gov and you must have DNS A default IPAWS URL path and internal manufacturer specific PIN is provided. Admin users can view and edit the URL path and other options under Advanced option						
h	ttps://	apps.fema.	gov		1	/ IPAWSOPEN_EAS_SERVICE/rest/update		
			S server hos bled; EG apps.fema.			URL path Do NOT begin with http(s)://website.net/. Just the path (eg: cap / elerts.xml), without a leading / character. If a dynamic date and time is required in the URL, see notes below.*		
	View A	dvanced Optic	ons (uncheck to	remove view).				
F	Pin Type	Preassigned	ned IPAWS P	in User configura	ble	le Pin 🔿 No Pin	1	
	Use S	ecure conne	- ction. <i>Enabled</i>	. Uncheck to use no	n-s	-secured connection.	1	
	Ignore SSL certificate checking.Presently SSL certificates must verify. Check to ignore certificate.					l		
0	Optional	I Text to appe	end to URL				l	
	Accep	t unsigned ale	erts. Enabled.	Incheck to reject unsi	gn	ned alerts.	1	
	Accep	t unverifiable	signed alerts.	Enabled. Uncheck to	rej	eject unverifiable signed alerts.	1	
	XM	L Digital Signa	ature Certificat	e Authority (CA) Na	me	e (upload below.) IPAWS_Valid-until-08-21-2021.crt		
	CA Inform	mation	Delete CA file					

5. Scroll to the bottom of the page to find the appropriate installation dialog box as shown below:

Version 3.x	Version 4.x	
Upload Certificate Authority file to DASDEC Server.	Certificate Authority Bundle Installation	
Choose File no file selected	Choose File no file selected	
Upload Certificate Authority file	Upload Certificate Authority file	

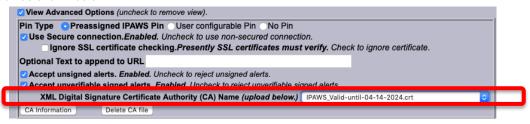
- 6. Click Choose File and select the recently downloaded file: IPAWS_Valid-until-04-14-2024.crt
- 7. Click **Open**. The screen should now appear as shown below

Version 3.x	Version 4.x
Upload Certificate Authority file to One-Net Server.	Certificate Authority Bundle Installation
Choose File IPAWS_Valid-un04-14-2024.crt	Choose File IPAWS_Valid-un04-14-2024.crt
Upload Certificate Authority file	Upload Certificate Authority file

8. Click Upload Certificate Authority file button. When the file is successfully installed the screen will display...

Version 3.x	Version 4.x
Upload Certificate Authority file to DASDEC Server.	Certificate Authority Bundle Installation
Choose File no file selected	Choose File no file selected
CA File Upload Succeeded.	CA File Upload Succeeded.
Upload Certificate Authority file	Upload Certificate Authority file

 Scroll back up the page and in the View Advanced Options area locate the XML Digital Signature Certificate Authority (CA) Name then, using the pull-down menu, choose the "IPAWS_Valid-until-04-14-2024.crt" selection as shown below.



10. Click the Accept Changes button at the bottom of the screen.

Accept Changes Cancel Changes

END