

Earth Networks Dangerous Thunderstorm Alert

The Earth Networks Dangerous Thunderstorm Alert (DTA) provides advanced notification of the increased threat of severe weather moving into an identified area. The DTA alert is a new notification that is issued through various Earth Networks products including:

- WeatherBug Desktop Application
- WeatherBug Mobile Applications
- StreamerRT
- Alert API
- CAP Feed
- Lightning Cell Track Feed (polygon only)

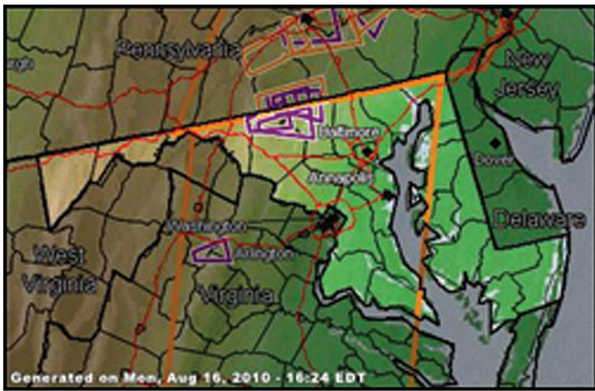
The DTA alert is issued when there is an high frequency of lightning detected by the Earth Networks Total Lightning Network™ (ENTLN) indicating the increased potential for:

- Lightning strikes
- High winds
- Tornadoic activity
- Heavy rain rates
- Hail

The alert is updated every 15 minutes until the dangerous weather activity is no longer a threat and the alert expires. The advanced technology used within ENTLN enables the detection of both in-cloud and cloud-to-ground lightning (otherwise known as total lightning). High rates of total lightning activity serve as precursory indicators of the potential for severe weather activity.

Earth Networks issues a Dangerous Thunderstorm Alert when the lightning detection rate exceeds high levels. The alert is visually depicted by a purple polygon encompassing the alert area that displays the area, size, direction and speed of the severe lightning activity. Detailed weather bulletin information is also provided within the text alert.

Maryland State Map



Generated on Mon, Aug 16, 2010 - 16:24 EDT

Alerts for Frederick County

Number of Active Alerts: 2
Go to alert detail: [1](#) [2](#)

[Click for Alert Preferences](#)
[Severe Weather Center](#)

There are 3 active alerts for Frederick County, MD

ALERT 1 - Earth Networks Dangerous Thunderstorm Alert
What is this?

A Earth Networks Dangerous Thunderstorm Alert in effect until 5:07PM EDT Monday, August 16

Issue Time: 4:22PM EDT, Monday Aug 16, 2010
Valid Until: 5:07PM EDT, Monday Aug 16, 2010

[Details](#) [Storm Feedback](#)

Note: The image above may not reflect the current alert state for your county due to a several minute delay between the issuance of the alert and the map processing.

NOTE: The Earth Networks Dangerous Thunderstorm Alert does not supersede the alerts issued by the National Weather Service for severe thunderstorms or tornados. Please see the reverse side of this document for alert definitions.

The following is a list of severe thunderstorm and tornado alerts available within the Earth Networks Desktop Application.

Earth Networks Dangerous Thunderstorm Alert

Alert	Definition
Earth Networks Dangerous Thunderstorm Alert	An Earth Networks Dangerous Thunderstorm Alert is issued when there is a high frequency of lightning indicating the increased potential for lightning strikes, heavy rain rates, high winds, hail and tornadic activity.

National Weather Service Alerts

Alert	Definition
Severe Thunderstorm Watch	A Severe Thunderstorm Watch is issued when severe thunderstorms are possible in and near the watch area. It does not mean that they will occur. It only means they are possible. Severe thunderstorms are defined as follows: Winds of 58 mph or higher AND/OR Hail an inch in diameter or larger.
Severe Thunderstorm Warning	A Severe Thunderstorm Warning is issued when severe thunderstorms are occurring or imminent in the warning area. Severe thunderstorms are defined as follows: Winds of 58 mph or higher AND/OR Hail an inch in diameter or larger.
Tornado Watch	A Tornado Watch is issued when severe thunderstorms are possible in and near the watch area and these storms may produce severe winds and/or hail as well as tornadoes. It does not mean that they will occur. It only means they are possible.
Tornado Warning	A severe thunderstorm has been detected in or near the warned area that has the potential to produce, or is producing a tornado or funnel cloud.