

DERECHOS

Derechos — from the Spanish word for “direct” or “straight ahead” — are most common in the late spring and summer. They are known for their longevity, incredibly high-sustained wind speeds and fast-moving nature.



Four known types

Progressive: begin with a short line of thunderstorms--between 40 and 250 miles long--that may have a single bow echo in the beginning, but eventually evolve into a squall line with multiple bow echoes traveling a long, narrow path.

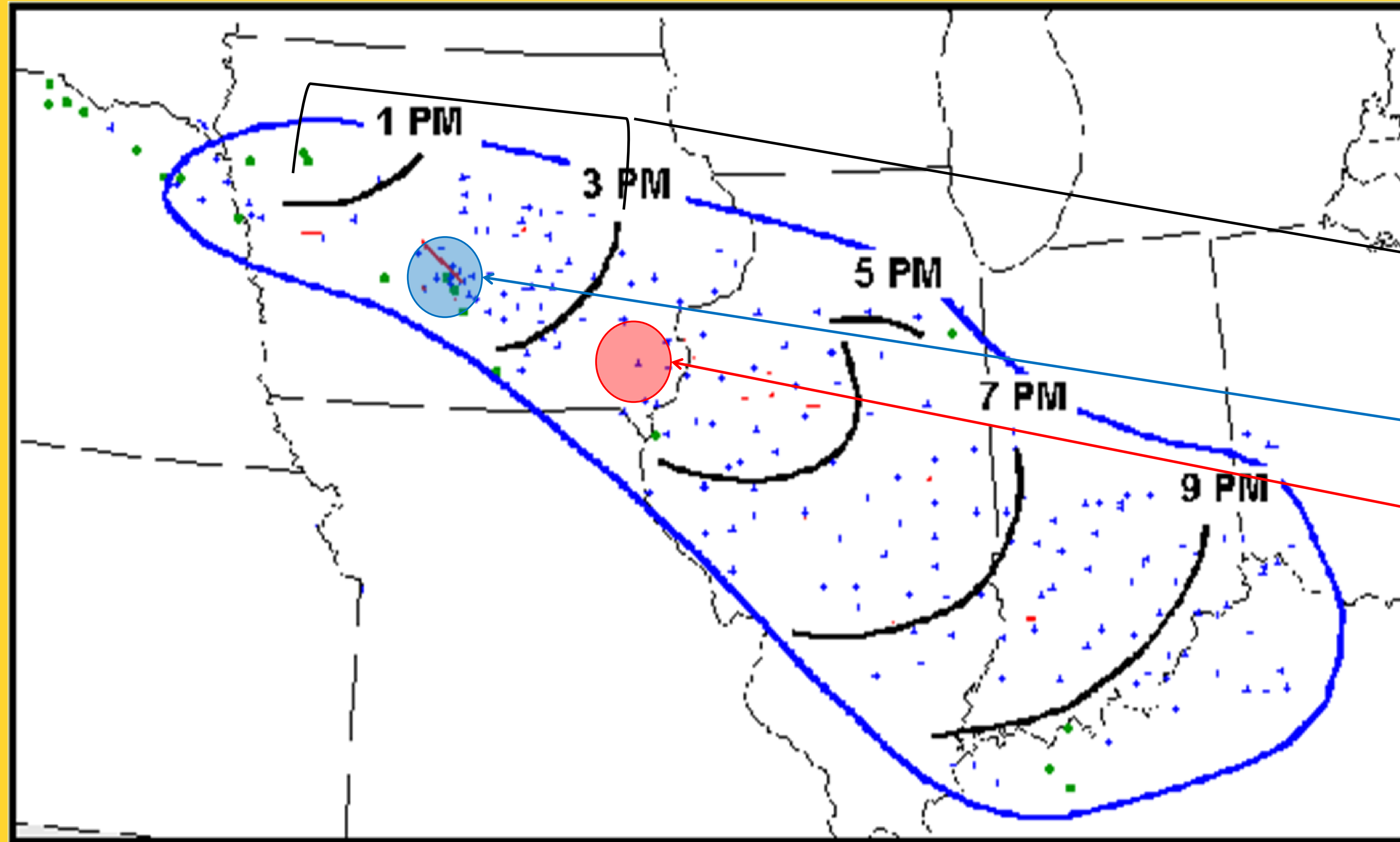
Serial: Multiple bow echoes form in a long squall line that is often hundreds of miles long

Hybrid: Combination of Progressive and Serial

low-dewpoint: resembles a serial derecho in behavior, low-dewpoint derechos are connected to low pressure systems with limited amounts of moisture. These derechos often occur in late fall, or even early spring.



“THE CORN BELT DERECHO OF JUNE 1998”



+ = 58 mph winds or greater

Tennis Ball sized hail and short lived tornadoes

110-155 mph (F2 strength)

Wind gust of 126 mph

This storm affected an area over 200 miles wide and 700 miles long

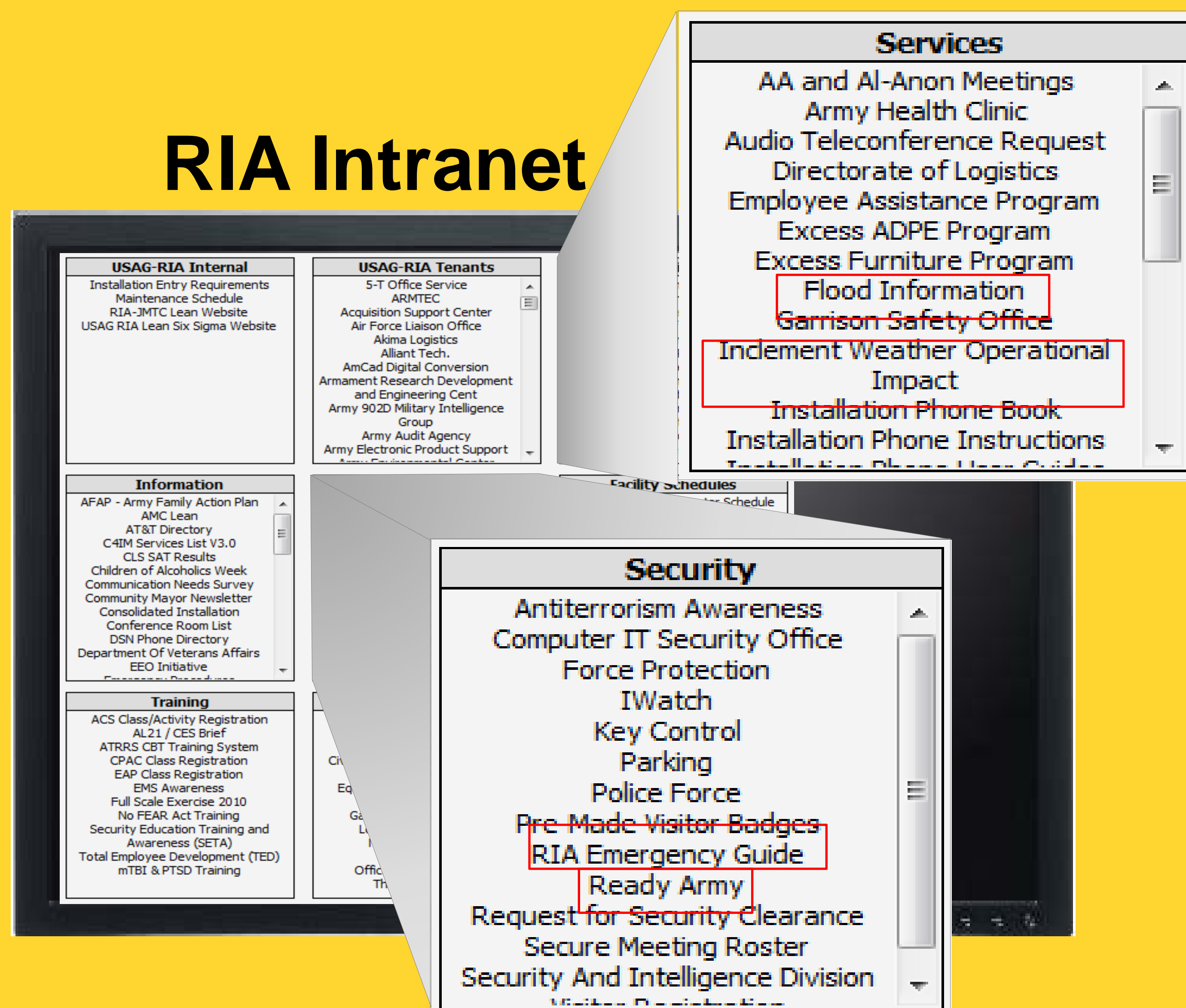
Over the Davenport, Iowa area of responsibility, numerous reports of wind gusts ranging from 80 to 100 mph were received.

Along with the long-lived derecho, 28 tornadoes were reported, one an **F2** which injured 85 people in central Iowa. Over eight states, the derecho and associated tornadoes killed one person and injured 174.



RIA INFORMATION

RIA Intranet

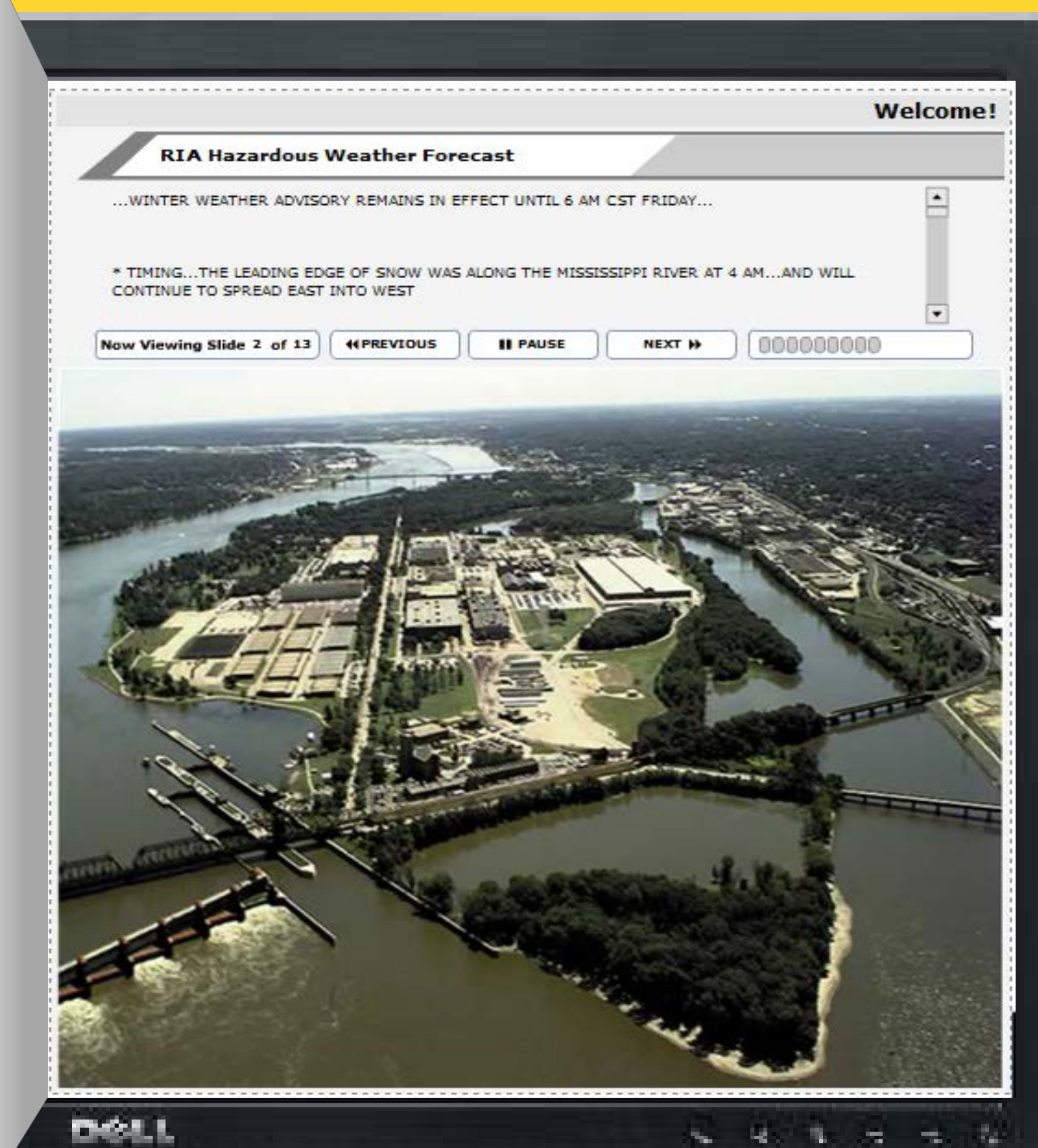


<https://home.ria.army.mil/>

RIA Internet



<http://www.ria.army.mil/>



RIA Mass Notification

Outdoor Speaker System (*Giant Voice*)

Computer Pop-Ups RIA network only (*AtHoc*)

Telephone Alert Message (*Senior Leaders, Building Marshal Wardens, Housing*)

Individual or Office Notification Options

Radio including NOAA Emergency Alert System

Television, Internet, Sign up for weather alerts



2008 FLOODS



LeClair Park in Davenport



From the Sky Bridge in Davenport



River drive in Davenport



Flooding in Southern Illinois



A home at Lake Delton Wisconsin



Homes washed up against a railroad bridge in Cedar Rapids

Flooding is a regularly occurring natural hazard in the Quad Cities. Overbank flooding of the Mississippi River, resulting from spring snowmelt and large-scale weather systems that generate prolonged rainfall, pose the greatest risk to RIA and creates a moderate impact. Mitigation efforts are sufficient for flooding up to the record flood stage; though, exceeding the record flood stage could potentially create a significant impact to operations.

