

# Collaborative Decision Making

Using RITIS Meeting



Performance Measures

	4 PM	5 PM	
\$31.5K	\$23.8K	\$120.3K	\$132.7K
\$8K	\$16.4K	\$42.1K	\$110.4K
\$10.5K	\$131.8K	\$246.8K	\$187.9K
4.7K	\$27K	\$131.2K	\$214.7K
2.2K	\$34K	\$156.8K	\$269.3K
1.8K	\$111.9K	\$180K	\$271.8K
\$52.9K	\$18.8K	\$13.7K	\$28.9K
\$684.4K	\$1,246.9K	\$1,246.9K	\$1,246.9K

Planning



Operations



Communications



RITIS: Enabling Decision Making & Effective Communication

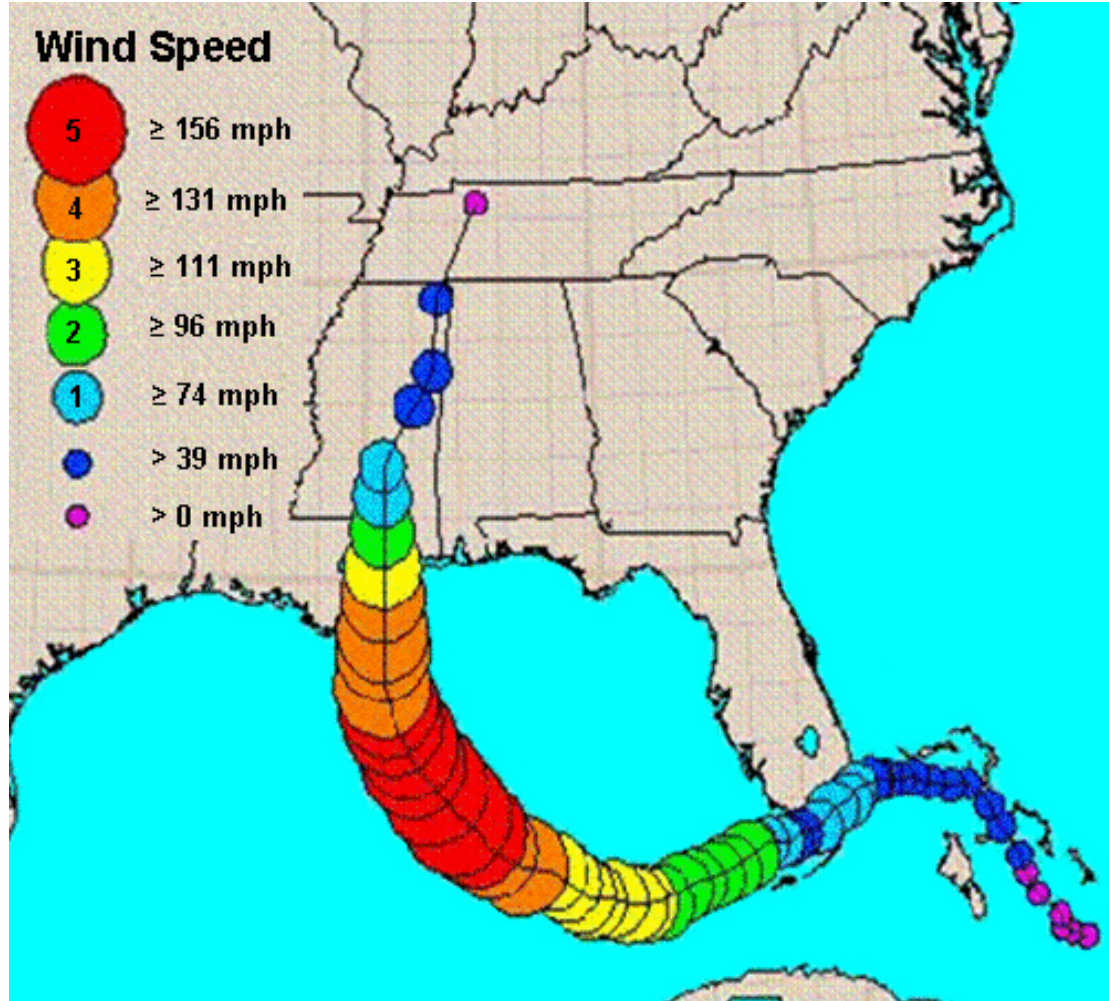
# Learning Objectives

**At the end of this presentation the participants will be able to:**

- Understand the challenges of winter weather operations coordination.
- Discuss use of technology to improve winter weather operations.
- Apply winter weather coordination concepts to other major planned and unplanned events.



# Major Storm is Coming



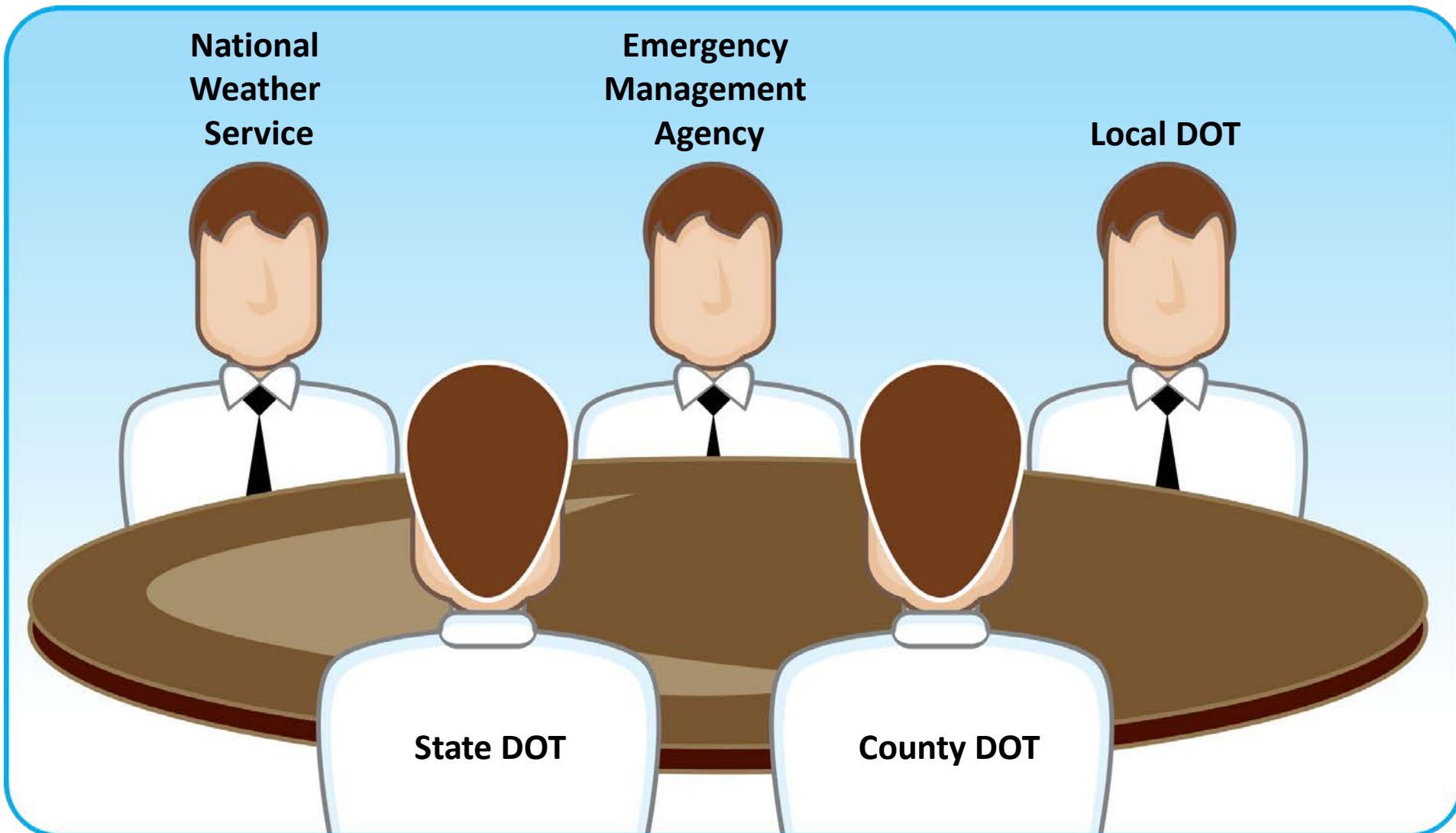
# Current Process in National Capital Region

- **Something bad is happening or is on the way.**
- **Someone requests a conference call to discuss.**
- **Official announcement goes out.**
- **Call is held (usually at 3AM).**
- **Decision is made: Evacuate, shelter in place, early release, close government, etc.**
- **Repeat every X-hours until resolved.**

**Metropolitan Washington Council of Governments is the facilitator.**

**Transportation hates these calls.**

# Typical Collaboration Problems – Roll Call

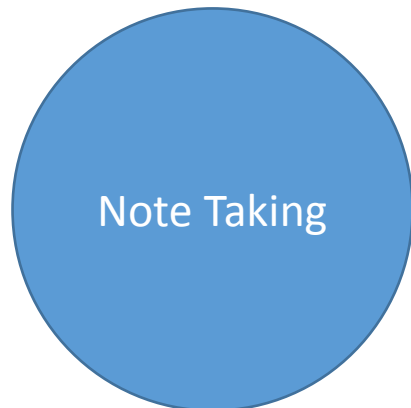


# Typical Collaboration Problems – Repetition & Understanding



# Typical Collaboration Problems – Who's Taking Notes?

- **Who just said that?**
- **Did I capture the intent?**



# Typical Collaboration Problems – Everyone Wants to Talk

- **Sense of importance**
- **Time is precious**
- **Not everyone is concise**



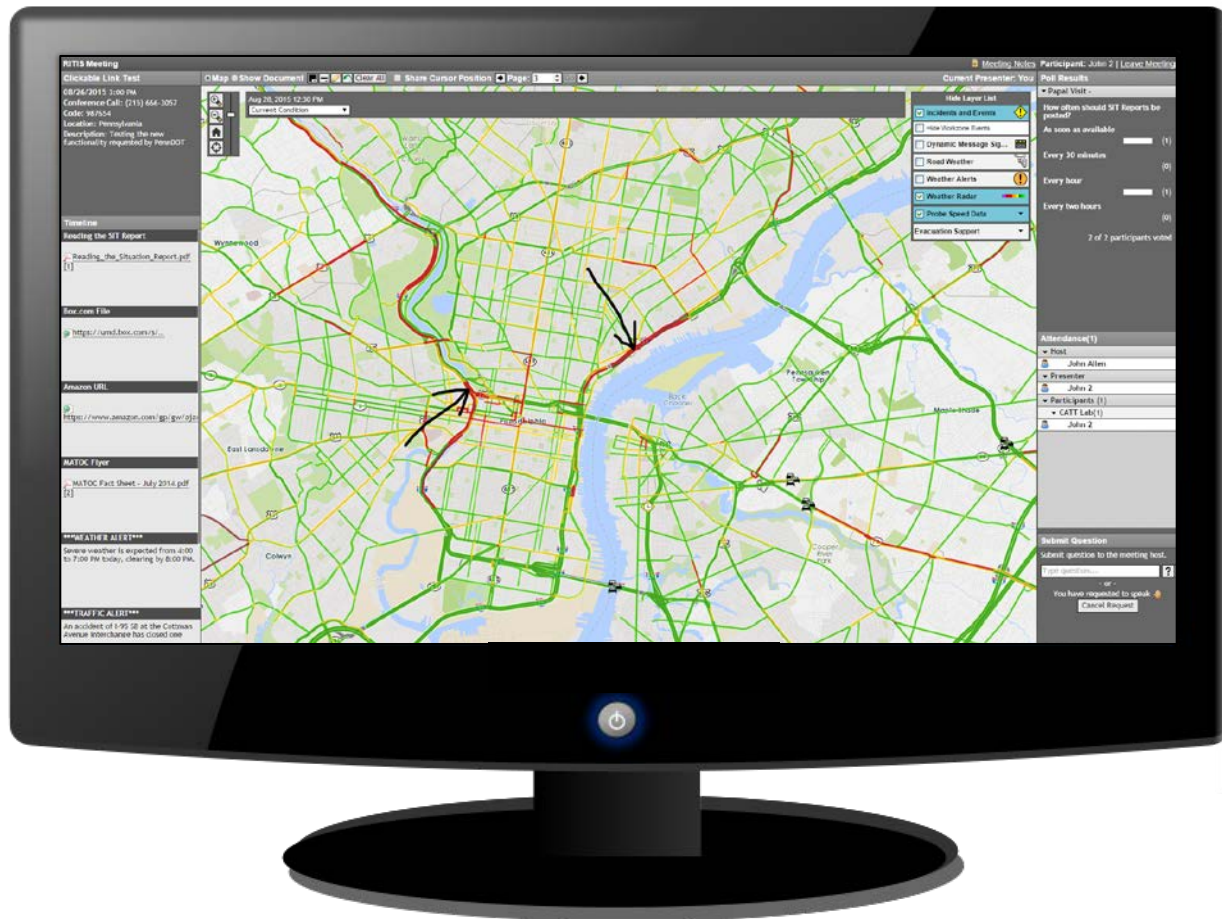


- **What about differing opinions?**
- **The power of the pen...**



# Typical Collaboration Problems – Everything Else

<b>CONFERENCE CALL BINGO</b>				
<b>“Can everyone hear me?”</b>	<b>Dog barking</b>	<b>“You’re on mute.”</b>	<b>Hold music</b>	<b>Two people talking at the same time</b>
<b>Question avoided</b>	<b>Dropped caller</b>	<b>Baby crying</b>	<b>Police siren in the background</b>	<b>“Can you repeat that?”</b>
<b>“_____ has entered the conference.”</b>	<b>Someone repeating themselves</b>	<b>FREE</b>	<b>Ordering food at drive through</b>	<b>Bad reception</b>
<b>“Is _____ on the call?”</b>	<b>Caller from the car</b>	<b>Someone arrives late</b>	<b>Host did not activate the conference</b>	<b>Someone is eating</b>
<b>Background conversations</b>	<b>Windy</b>	<b>“Is everyone here?”</b>	<b>Misusing a word</b>	<b>“Hit the ground running.”</b>



**RITIS Meeting** is a multi-faceted, virtual meeting platform for information sharing and collaborative decision-making in a situational awareness environment.

## Features

- ✓ Anytime | Anywhere
- ✓ PC | Laptop | Mobile
- ✓ Polling | Meeting Notes | Timelines
- ✓ DMS | Probe Speed Data | Weather
- ✓ Events/Incidents | Evac. Support
- ✓ Draw/Annotate | Share Documents
- ✓ Planning | Response | Follow-up
- ✓ Auto-generated Meeting Logs
- ✓ Easy to Use | Easy to Learn

# Common Picture – Roll Call, Polls, Common Information

**RITIS Meeting**

MATOC D... Checklist Map Show Document Clear All Share Cursor Position

10/16/2015 9:00 AM  
 Conference Call: (123) 456-7890  
 Code: 1234  
 Location: Prince Georges County, Maryland  
 Description: This is a demonstration of RITIS Meeting functionality

**Timeline**

**DC METRO AREA FORECAST**

.REST OF TODAY...SUNNY. HIGHS IN THE UPPER 50S. NORTHWEST WINDS 10 TO 15 MPH WITH GUSTS UP TO 25 MPH.

.TONIGHT...MOSTLY CLEAR. COLD WITH LOWS IN THE LOWER 40S IN THE DOWNTOWN AREAS...IN THE UPPER 30S IN THE SUBURBS. NORTHWEST WINDS 5 TO 10 MPH.

**Utility Problem. MD-355 NB/SB at**

Incident: Water Main Break

Location: MD-355 NB/SB at Cedar Lane, Montgomery County, MD.

All northbound lanes are being diverted onto Cedar Lane. Two southbound left lanes are blocked, one right lane gets by.

Expect major disruption to AM & PM commutes. Clean up and restoration will require a multi-day closure of this roadway,

**RITIS Event Timeline**

<https://timeline.ritis.org/timeline/>

Add Another Entry

Oct 31, 2015 11:00 PM

Weather Forecast

Meeting Notes and Recommendation Host: Taran Hutchinson | End Meeting

Current Presenter: You

**Hide Layer List**

- Papal Visit Routes
- Incidents and Events
- Hide Workzone Events
- Dynamic Message Sig...
- Road Weather
- Weather Alerts
- Weather Radar
- Probe Speed Data
- Traffic Speed
- Comparative Speed
- Congestion
- Evacuation Support

**Poll Results**

▼ #1

How long do you estimate restoration of roadway will take?

1 day	(0)
2 days	(0)
3 days	(1)
4 days	(3)
5 days	

New Poll

**Attendance(5) Questions**

▼ Host

- Taran Hutchinson

▼ Presenter

- Taran Hutchinson

▼ Participants (4)

- ▶ VDOT(1)
- ▼ DDOT(1)
- John Doe
- ▼ MDOT(1)
- John Smith
- ▼ WMATA(1)
- Jane Smith

# Custom Annotations

### RITIS Meeting

MATOC D... Checklist Map Show Document Upload File Clear All Share Cursor Position Current Presenter: You

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An aerial photograph of a road construction site. The image is overlaid with several hand-drawn annotations: a red square with a black 'X' inside, located in the upper-middle part of the road; several green checkmarks scattered across the scene; blue arrows pointing towards the road from various directions; yellow question marks and arrows; and red lines marking specific areas or boundaries. The background shows a mix of urban buildings, trees, and a parking lot.

### Meeting Notes and Recommendation

Host: Taran Hutchinson | End Meeting

#### Poll Results

▼ #1

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New Poll

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▼ Presenter

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▼ Participants (4)

- VDOT(1)
- DDOT(1)
  - John Doe
- MDOT(1)
  - John Smith
- WMATA(1)
  - Jane Smith

## MATOC TTF Weather Call to discuss Oct 2-5 Events

Oct 02, 2015 11:00 AM

Host: Taran Hutchinson  
District of Columbia

MATOC Transit Task Force Weather Conference Call to discuss bus service impacts related to today's heavy rain event.

### RECOMMENDATION

No additional calls required.

NUMBER OF ATTENDING 12

### TIMELINE

#### WASH DC GREATER METRO AREA FORECAST

WASHINGTON DC GREATER METROPOLITAN AREA FORECAST  
733 AM EDT FRI OCT 2 2015

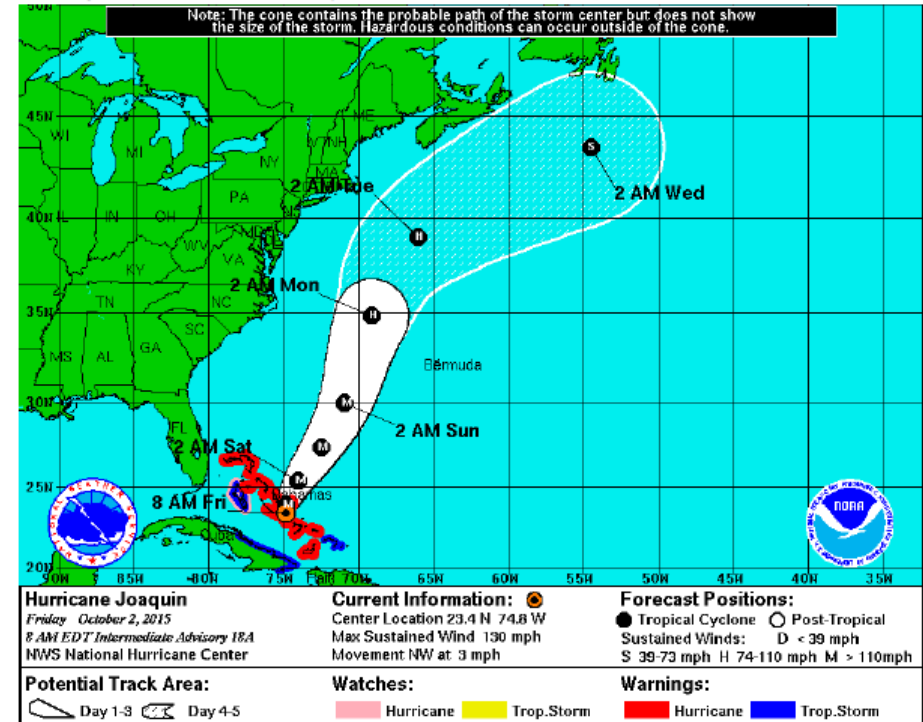
...FLASH FLOOD WATCH IN EFFECT THROUGH SATURDAY MORNING...

-TODAY...RAIN. PATCHY FOG. RAIN MAY BE HEAVY AT TIMES THIS AFTERNOON. HIGHS IN THE MID 50S. NORTHEAST WINDS 15 TO 20 MPH WITH GUSTS UP TO 30 MPH. CHANCE OF RAIN NEAR 100 PERCENT.  
-TONIGHT...RAIN. PATCHY FOG. RAIN MAY BE HEAVY AT TIMES IN THE EVENING. LOWS IN THE LOWER 50S. NORTHEAST WINDS 15 TO 20 MPH WITH GUSTS UP TO 30 MPH. CHANCE OF RAIN NEAR 100 PERCENT.  
-SATURDAY...RAIN LIKELY. HIGHS IN THE UPPER 50S. NORTHEAST WINDS 15 TO 20 MPH WITH GUSTS UP TO 35 MPH. CHANCE OF RAIN 70 PERCENT.  
-SATURDAY NIGHT...CLOUDY WITH A 50 PERCENT CHANCE OF SHOWERS. LOWS IN THE MID 50S. TEMPERATURES STEADY OR SLOWLY RISING AFTER MIDNIGHT. NORTHEAST WINDS 15 TO 20 MPH WITH GUSTS UP TO 35 MPH.  
-SUNDAY...CLOUDY WITH A 50 PERCENT CHANCE OF SHOWERS. HIGHS IN THE LOWER 60S. NORTHEAST WINDS 15 TO 20 MPH WITH GUSTS UP TO 30 MPH.  
-SUNDAY NIGHT...MOSTLY CLOUDY WITH A 50 PERCENT CHANCE OF SHOWERS. LOWS IN THE MID 50S.

(11:13 AM) Taran Hutchinson: Contacting VDOT for this event: For non-emergency communications to VDOT: E-Mail NROPSTOCOOPERATIONS@VDOT.Virginia.Gov Call 703-877-3512 (Dedicated Call Taker)

### SHARED MEDIA

Uploaded By Taran Hutchinson  
Time Oct 02, 2015 10:46 AM  
Description Hurricane Joaquin Track as of 10/02/2015 @ 0800hrs



### ATTENDANCE

Host
Taran Hutchinson

# Philadelphia Papal Visit Case

**Area of Accident (Fatality/Injuries) on the PA Turnpike (The only major incident during the Papal Visit)**

**Actual view from the Participant side (09.27.15 @ 4:00 PM)**

**★ Timeline Boxes**

- SIT Report Links
- Next scheduled Meeting
- Conf. call code change

**◆ Situational Awareness/Show Document**

- Probe Speed Data
- Test, Notify participants phones were reset

**★ SIT Reports**

**Wmof Papal Visit - Transportation Regional Situation Report Cover Page**

Organization	Initial report set up	Logged into system	Received Conference Call
DelDOT	Yes	Yes	Yes
PA Dept of Transportation	Yes	Yes	Yes
PA State Police	Yes	Yes	Yes
PA Turnpike Commission	Yes	Yes	Yes
PA Dept of Environmental Protection	Yes	Yes	Yes
PA Dept of Health	Yes	Yes	Yes
PA Dept of Education	Yes	Yes	Yes
PA Dept of Transportation & Community Development	Yes	Yes	Yes
PA Dept of Public Safety	Yes	Yes	Yes
PA Dept of State	Yes	Yes	Yes
PA Dept of Treasury	Yes	Yes	Yes
PA Dept of Labor	Yes	Yes	Yes
PA Dept of Agriculture	Yes	Yes	Yes
PA Dept of Environmental and Natural Resources	Yes	Yes	Yes
PA Dept of Environmental Protection	Yes	Yes	Yes
PA Dept of Health	Yes	Yes	Yes
PA Dept of Education	Yes	Yes	Yes
PA Dept of Transportation & Community Development	Yes	Yes	Yes
PA Dept of Public Safety	Yes	Yes	Yes
PA Dept of State	Yes	Yes	Yes
PA Dept of Treasury	Yes	Yes	Yes
PA Dept of Labor	Yes	Yes	Yes
PA Dept of Agriculture	Yes	Yes	Yes
PA Dept of Environmental and Natural Resources	Yes	Yes	Yes

**Attendance(17)**

- Host
- Presenter
  - Jon Fleming
- Participants (16)
  - CATT Lab(3)
  - John Allen
  - Kevin Van
  - Philadelphia - TMC(1)
  - DelDOT - Donaldson(1)
  - Gene Donaldson
  - PennDOT(1)
  - DelDOT - Auxiliary(1)
  - PennDOT - District 5 TMC(3)



By the numbers:

- 54 participants
- 72 hours continuous operation
- 33 files uploaded

# Learning Outcomes

- Understand the challenges of winter weather operations coordination.
- Discuss use of technology to improve winter weather operations.
- Apply winter weather coordination concepts to other major planned and unplanned events.





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