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# TRWG Baseline

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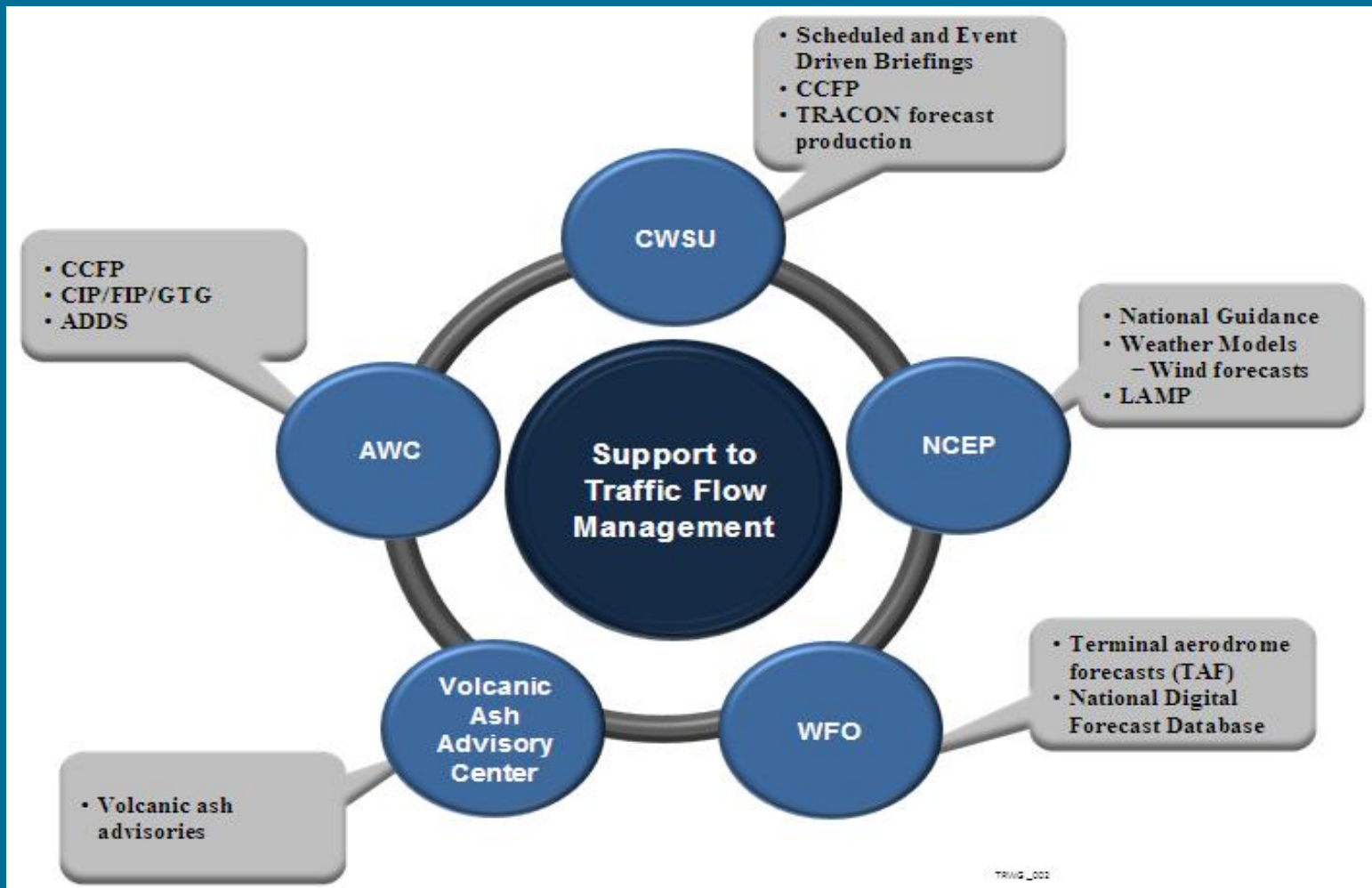
# Outline

- **NWS Baseline of Services to Traffic Flow Management**
- **Methodology**
- **New Performance Measures**
- **Moving to Digital Information**

# Baseline of Services

- **Request from FAA to NWS establishing TRWG**
  - **Need to baseline current services and performance**
- **Original baseline was simply a look at products and services to TFM using current verification capabilities**
  - **Requirements for current services were not clearly defined which limited capability to baseline**
- **TRWG provides new set of requirements**
  - **Existing products and services need to be measured against new requirements**

# Baseline Aviation Weather



# Methodology

- **Baseline Phased Approach**

- *Phase 1 – assessment of quality of current NWS products and services*
- *Phase 2 – assessment of current capability of NWS TFM products to new requirements*
- *Phase 3 – assessment of performance measures for TFM decision making*
- *Phase 4 – analysis of end-to-end TFM decision-making, from the provision of weather information through the decision-making process and the impact on the NAS*

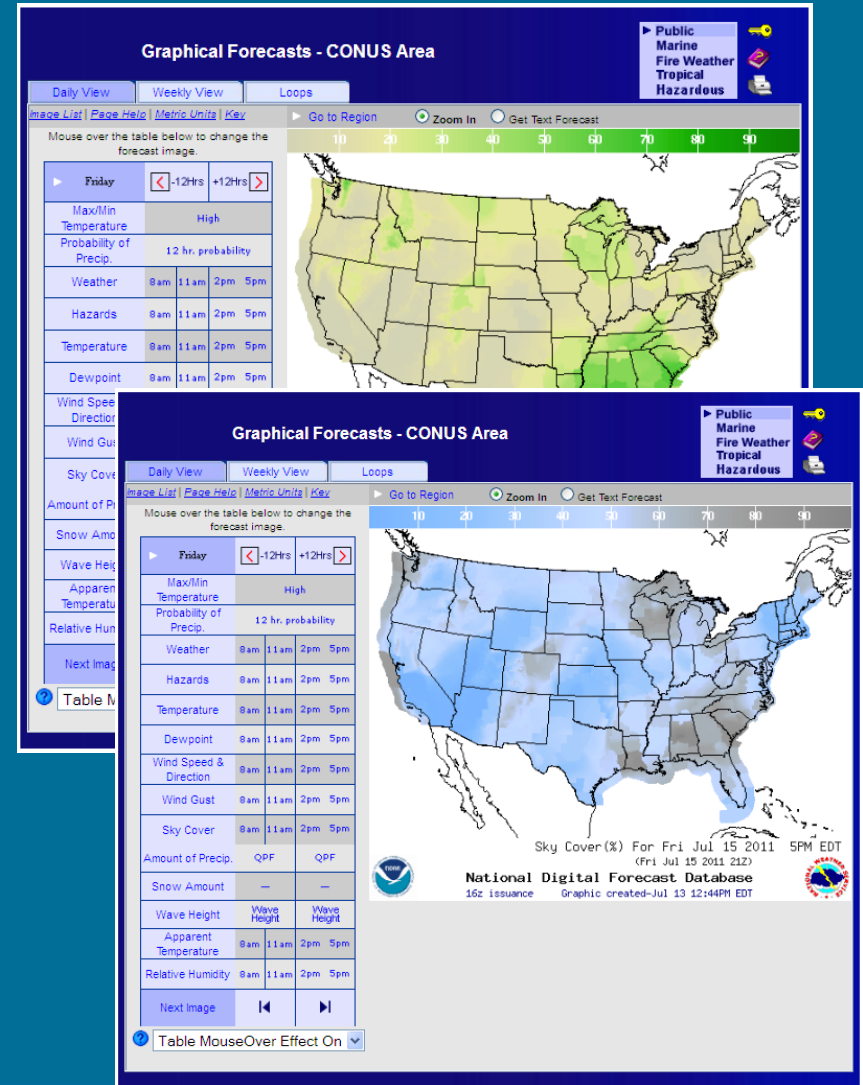
# New Performance Measures for Baseline

- **Entirely new way of assessing weather forecast performance – linked to traffic management initiatives**
  - *Current tools assess accuracy*
  - *Leverage existing tools but look at data differently*
  - *More event-driven than current methodology*
- **Start with an initial set of performance measures and build from there**
  - *Manual and text products difficult to generate performance measures*
- **Focus on digital services**



# Moving to Digital Information

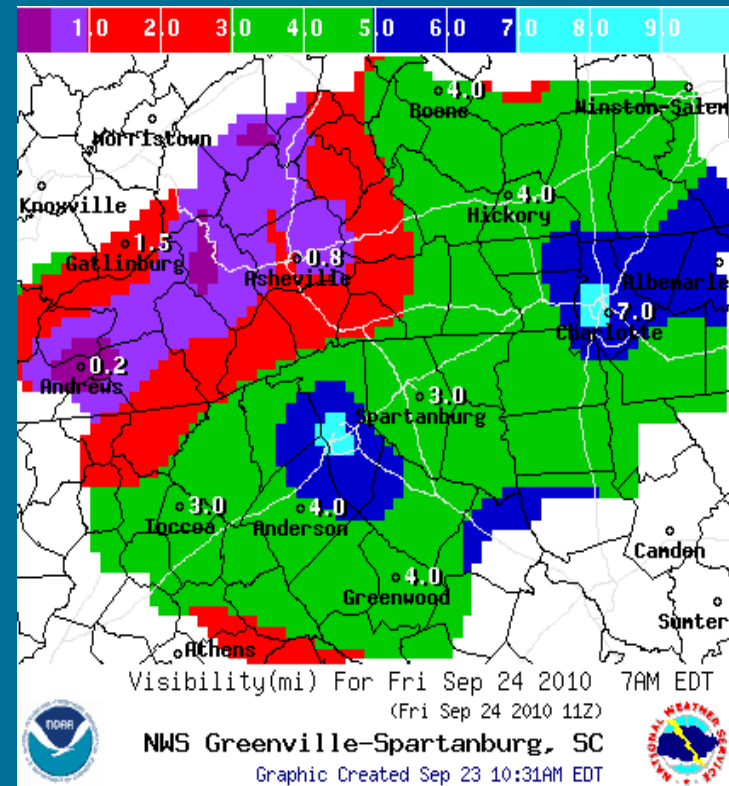
- **NWS Offices producing digital forecasts**
  - *National Digital Forecast Database*
  - *Includes digital forecast for*
    - Sky cover
    - Wind speed and direction
    - Wind gust
    - Weather
    - Others...
- **Provides a consistent forecast message**



# Moving to Digital Information

- **Initiatives**

- *Ceiling and Visibilities Grids*
  - Provide hourly graphical forecast of C/V grids to 30 hours
- *Thunderstorm Grids*
  - Implement nationwide
  - Improve temporal and spatial resolution





# Summary

## NOAA/NWS

- **Baselining current services to new performance requirements**
- **Moving to more digital forecasts**
  - *Improves forecast consistency*
  - *Forecasters add value over automated information*
  - *On the path to NextGen*