

# Friends & Partners in Aviation Weather

Presented to: FPAW

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Federal Aviation  
Administration



# Agenda

- **Tasking**
  - CCFP
  - TRACON
- **CCFP**
  - Status of CCFP Recommendations Task
  - Site Visits
  - Recommendations
    - Short/Long Term
- **TRACON**
  - Status

# Tasking

**Re-define user requirements for the CCFP with the intent of improving verification processes, granularity and accuracy**

**Consider/establish draft requirements for a terminal, TRACON, or 'hub' area forecast to allow better planning in terminal areas with major flows**

# Task 1 – CCFP Status

- **Solicit User input - completed**
- **WET team draft recommendations - completed**
- **Solicit CDM member input - completed**
- **CSG presentation - pending**

# Site Visit

<b>TRACON/TWR Facilities</b>	<b>ARTCC Facilities (TMU/CWSU)</b>	<b>Airline Facilities</b>
<b>Potomac TRACON (PCT)</b>	<b>Minneapolis Center (ZMP)</b>	<b>Northwest Airlines (NWA)</b>
<b>Chicago TRACON (C90)</b>	<b>Fort Worth Center (ZFW)</b>	<b>United Airlines (UAL)</b>
<b>Fort Worth TRACON (D10)</b>	<b>Miami Center (ZMA)</b>	<b>American Airlines (AAL)*</b>
<b>Miami TRACON</b>	<b>Atlanta Center (ZTL)</b>	<b>Southwest Airlines (SWA)*</b>
<b>New York TRACON</b>	<b>Cleveland Center (ZOB) 2005</b>	<b>Continental Airlines (COA)*</b>
<b>Detroit TRACON</b>	<b>Memphis Center (ZME) 2005</b>	<b>Delta Airlines (DAL)</b>
<b>MSP TRACON</b>	<b>Jacksonville Center (ZJX) 2005</b>	<b>US Airways (USA) 2005</b>
<b>MSP Tower</b>	<b>Washington Center (ZDC) 2005</b>	<b>Federal Express (FEX) 2005</b>
<b>ORD Tower</b>	<b>Houston Center (ZHU) 2005</b>	<b>Air Canada Jazz</b>
	<b>NAV Canada</b>	

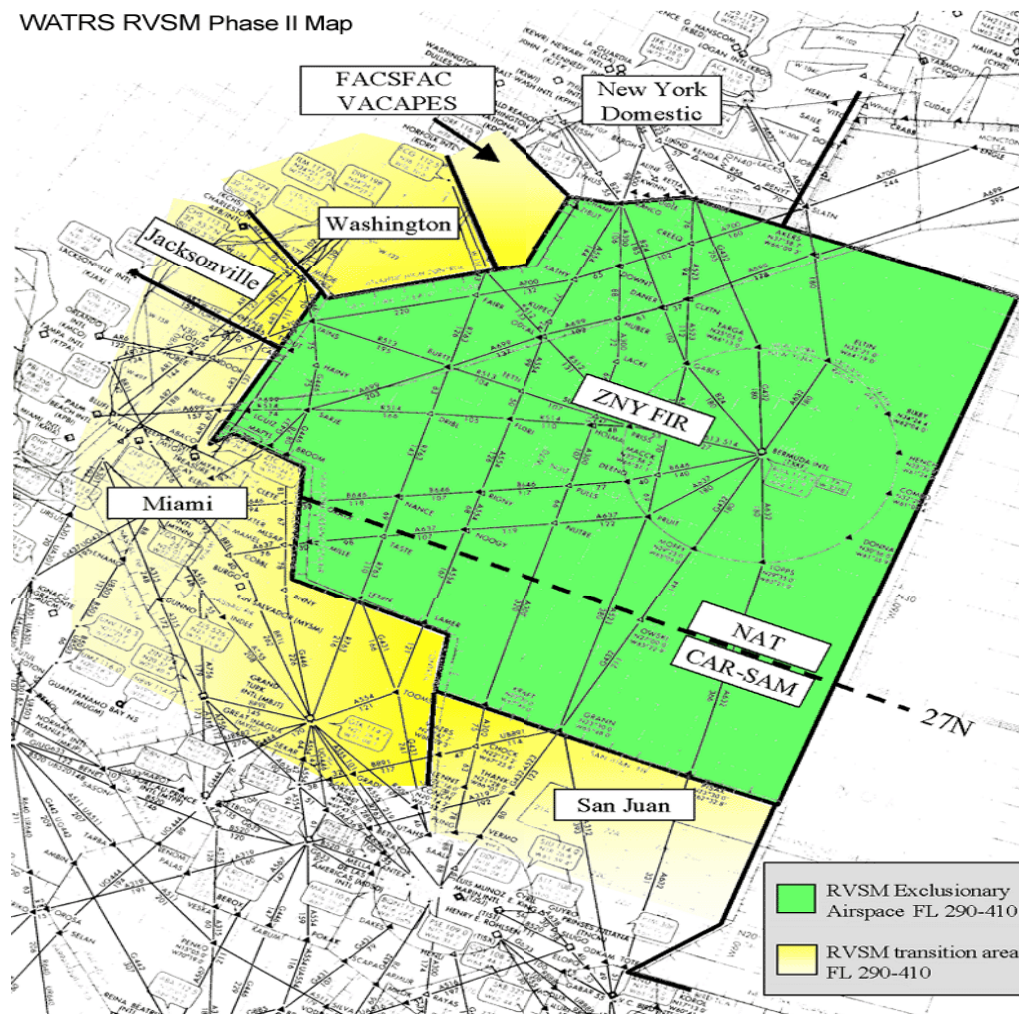
Note: ATCSCC and AWC perspectives

# CCFP Recommendations

- **Short Term – 2007 Convective Season**
  - Training
  - New
    - 8-hour Outlook issued 3 times per day
    - Expanded geographical area
    - Expanded season, Feb 1 to end of Nov
  - Enhanced Accuracy & Granularity
    - Accuracy = Forecaster Efficiency
      - Incorporate Text Box Information into Intuitive Graphic
      - Reduction from 11 to 10 CCFPs per day (0300/0400 UTC Product)
    - Granularity = Convection Structure
      - Lines, Coverage and Echo Top improvements

# Cont'd CCFP Recommendations

WATRS RVSM Phase II Map



# Cont'd CCFP Recommendations

- Verification = Scientific
  - Use of 4Km data
  - Echo Top, Growth Rate, 8-hour Outlook
- Verification = Value
  - Improve User Feedback Process



# Cont'd CCFP Recommendations

- **Long Term**

- Canadian Expansion 2008
  - 55 degrees North, Coast to Coast
- Year Round
  - 365 days effective February 2008
- Nowcast Transition
  - Integrate Automated 0-2 hour Product
- Verification
  - Additional scientific techniques
  - Operational measurements (User Value)
- Product Development
  - Traffic Impact Product

# Task 2 - TRACON Wx Fcst Recommendations

- **Task 2 – Status**

- Solicit User input - 90% completed
- WET team draft recommendations - pending
- Solicit CDM member input - pending
- CSG presentation - Prior to 01 Jan 2007