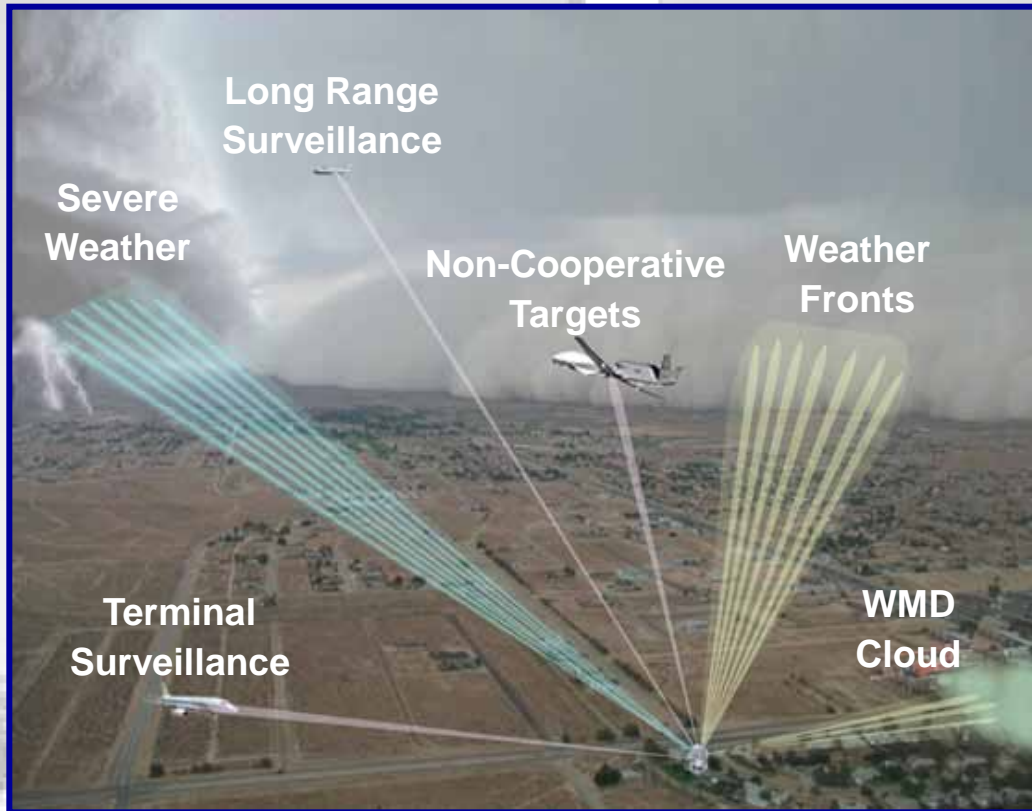


# Multifunction Phased Array Radar Symposium II

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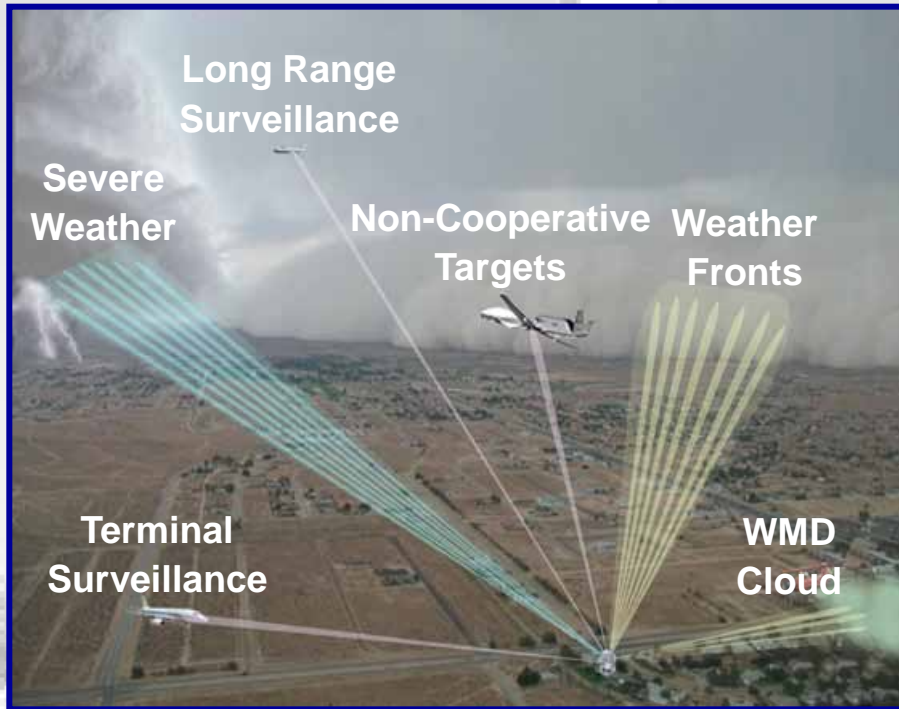
***“Moving Forward  
with Risk Reduction  
for Cost-Effective  
Service  
Improvements”***

**November 17-19, 2009**

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# Closing Remarks

**Mr. Samuel P. Williamson**  
**Federal Coordinator for Meteorology**



***MPAR Symposium II***  
***“Moving Forward with  
Risk Reduction for Cost  
Effective Service  
Improvements”***

**November 17-19, 2009**

# Overarching Comments

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- **Heard Dr. Lyon provide key advice on elements for moving forward**
  - **Learned from Dr. Toner the importance of NextGen and the potential role of MPAR in that program**
  - **Reviewed the state of the technology, like**
    - **Progress in reducing cost and addressing dual polarization requirements**
    - **Development of adaptive scanning, model initialization, and other PAR capabilities**
  - **Considered opportunities for service improvements not only in surveillance and weather, but also for other threats such as volcanic ash and wildland fires**
  - **Got an initial look at the technology challenges we will be addressing**
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# Symposium Objectives

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- ✓ • Review MPAR risk-reduction implementation strategy
  - ✓ • Discuss MPAR multifunctionality with respect to agency needs, priorities, and principles of operation
  - ✓ • Review the progress of MPAR-related research and development
  - ✓ • Highlight potential service improvements with respect to air surveillance (including threats), weather, and other mission enhancement opportunities
  - ✓ • Explore the challenges to delivering a cost-effective phased array radar capability
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# Expected Symposium Outcomes

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- ✓ • **Gather additional information regarding:**
    - § **MPAR concept of operations and requirements**
    - § **Current and future management approaches and strategy for moving forward**
    - § **Need to perform cross-cut studies that lead to detailed cost-benefit analysis**
    - § **MPAR technical issues and additional evaluation actions to be conducted by:**
      - **Federal laboratories**
      - **Industry**
      - **Academia**
      - **Other Federal element sectors (e.g., frequency management)**
  - ✓ • **Opportunities to leverage existing technology**
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# Actions and Way Ahead

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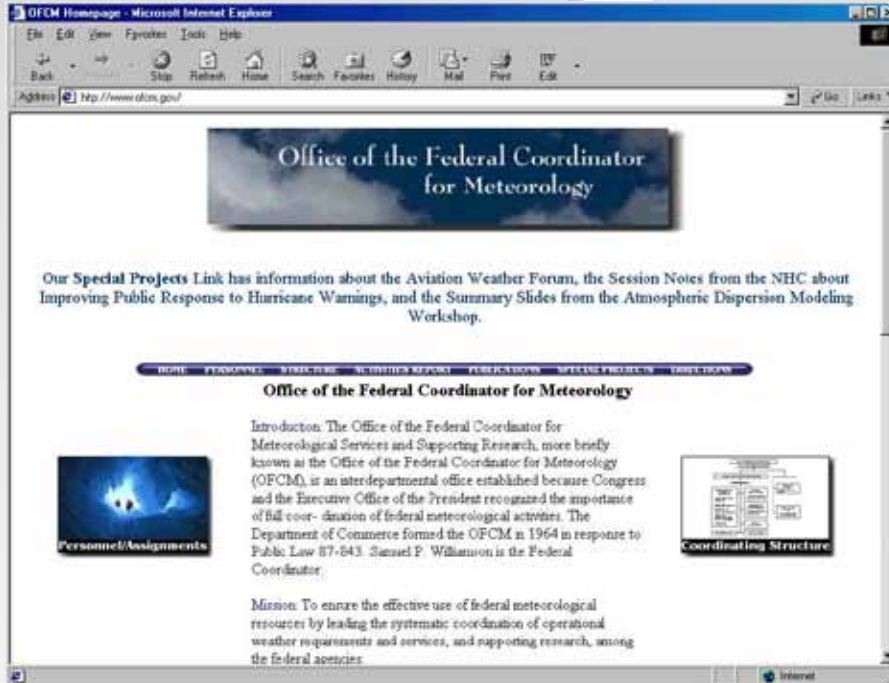
- **Near-term actions:**
    - **Complete and distribute Symposium Summary Report**
    - **Refresh the Implementation Strategy**
    - **Conduct MPAR Executive Council, December 14, 2009**
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# Actions and Way Ahead

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- **Items for continued focus for the OFCM-sponsored Working Group and Executive Council**
    - § **Preliminary cost-benefit analysis**
    - § **Mission needs assessment**
      - **Identify current radar-related shortfalls and needed improvements**
      - **Consider both technology / equipment and services**
    - § **Identify technical challenges; develop unified R&D plan**
    - § **MPAR relationship to the JPDO-coordinated Integrated Surveillance CONOPS**
    - § **Nail down management approach option and its tie to JPDO-recommended integrated surveillance governance**
    - § **Leveraging opportunities**
    - § **Spectrum analysis**
-

# Presentation Availability



- Presentations and other material will be available on the OFCM web site shortly after the symposium.
- Click on “Special Projects” and navigate to “**Multifunction Phased Array Radar Symposium**”

<http://www.ofcm.gov/>



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# FEEDBACK IS WELCOME

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**(301) 427-2002**

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# Special Recognition

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**MPAR Executive Council**

**MPAR Working Group**

**Keynote Speaker: Dr. Randolph Lyon, OMB**

**Luncheon Speaker: Dr. Karlin Toner, DOT**

**The University of Oklahoma**

**Participants**

**Moderators / Panelists**

**OFCM / STC Staff**

**NSSL Staff**

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# Thank You!

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**Thank you for attending and  
participating in this symposium!**

**On behalf of the Office of the Federal Coordinator for  
Meteorology**

**Have a safe trip  
home...**

**And Thanks Again!**

