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

November 17-19, 2009
Closing Remarks

Mr. Samuel P. Williamson
Federal Coordinator for Meteorology

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

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Overarching Comments

• 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
Symposium Objectives

- 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
Expected Symposium Outcomes

• 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
Actions and Way Ahead

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

- 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/
FEEDBACK IS WELCOME

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Special Recognition

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
On behalf of the Office of the Federal Coordinator for Meteorology

Thank you for attending and participating in this symposium!

Have a safe trip home...

And Thanks Again!