



Latest Innovations in Phased Array Radar (PAR): An Industry Perspective

- Raytheon
- Northrop Grumman
- Lockheed-Martin
- Harris Corporation

Panel Moderator: Barry Fell, Technology Service Corporation
Silver Spring MD

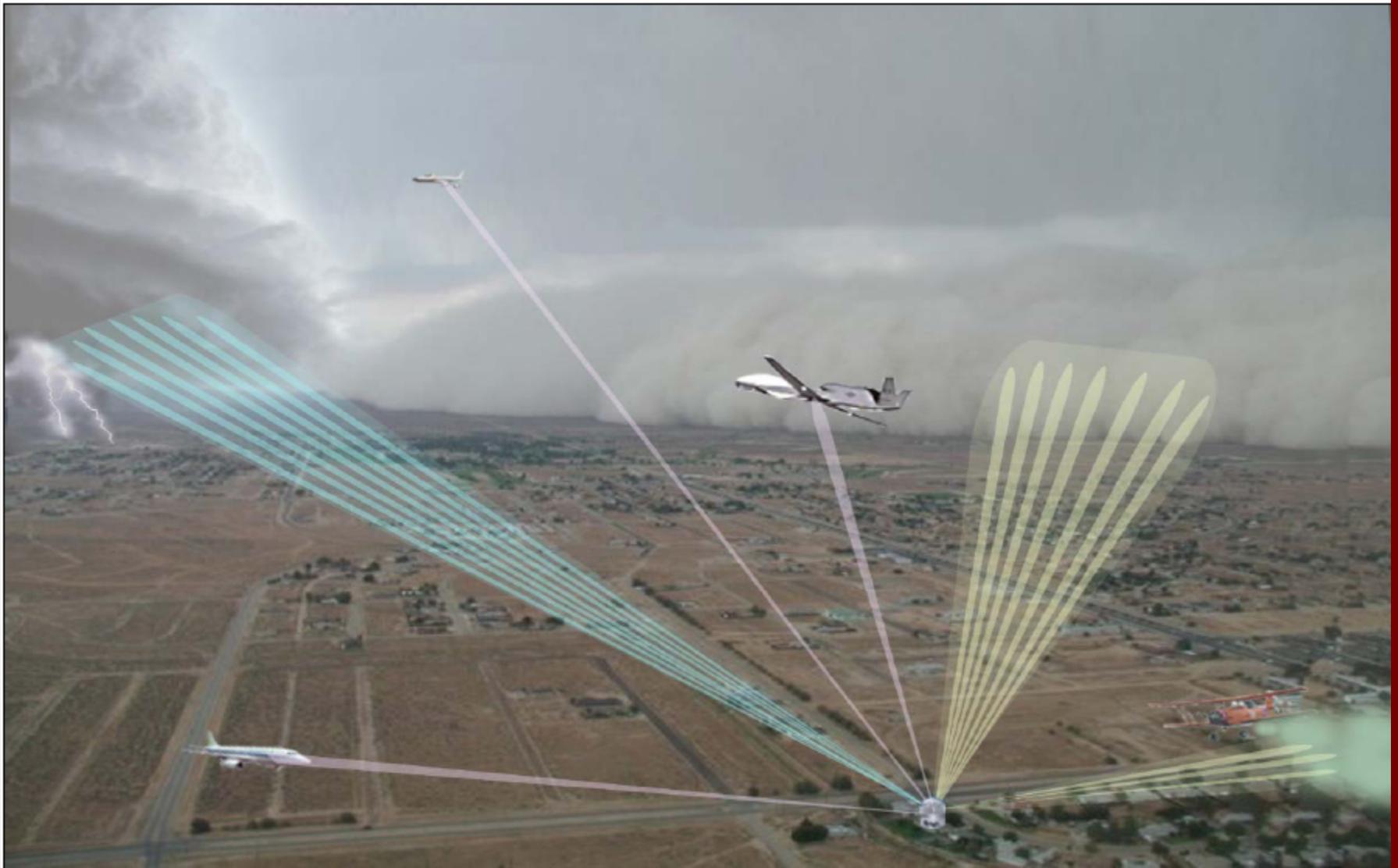


Agenda

- **Introduction**
- **Industry Presentations**
 - Mr. Michael Sarcione, Chief Engineer, Sensor H/W, Raytheon Integrated Defense Systems
 - Mr. Kevin Leahy, Enterprise Technical Executive for RF, Northrop Grumman
 - Dr. Douglas H. Reep, Vice President, Technical Operations, Lockheed-Martin
 - Dr. Gregory Turner, Director, Advanced Programs, Space Systems, Harris Corporation
- **Discussion**



Multi-Function Phased Array Radar (MPAR) Operational Concept





Primary MPAR Functions

- **Weather Assessment for Aviation Safety**
- **Severe Weather Forecasting and Higher Fidelity**
- **National Air Space Aircraft Surveillance and Tracking (Non-cooperative and Cooperative)**
- **Airport Efficiency and Capacity Enhancement**
- **Natural Disaster Planning**
- **Homeland Security**

Adapted from: Benner, Torok, Batista-Carver, & Lee, FAA Atlantic City NJ,
“MPAR Program Overview and Status”, 87th AMS Annual Meeting, 17 January 2007