Day 2 Local/low altitude weather Oct 5th

4.5 hours

11:30-11:40 Welcome Overview of the Day's Agenda Nancy Mendonca, NASA

1st Session – Operations/Gaps (70 min session)

Session Goal: Understand how weather is taken into account when planning Federal low-altitude UAS/UAM missions and where improvements could have the most impact.

Session Questions:

- What is the mission(s) you are currently using sUAS/helicopters to accomplish?
- How do you currently get weather observations and forecasts for this mission?
- How could this be improved and what's missing (gaps)?
- How much of an impact would this improvement have on you accomplishing your mission?
- What would you like to get out of todays' session?

11:40-12:00 DOI/OAS Bradley Koeckeritz, UAS Division Chief
12:00-12:10 USDA/FS/NIFC Jim Wallmann, Meteorologist or DOI
12:10-12:20 DHS/USCG David Warfield, Aviation and Sensor Systems Manager
12:20-12:30 DOT/FHWA James Gray, UAS Program Manager
12:30-12:40 DHS/FEMA Travis Potter, UAS/Remote Sensing Coordinator
12:40-12:50 EPA Brian Gullett, Environmental Engineer
12:50-1:00 DOC/NOAA/NWS Austin Cross, Aviation Meteorologist
TBD DOJ **TBD** UAS Program Manager

1st Panel – Governance Vision (30 min)

Panel Question: What is our future vision for AAM weather governance and weather Supplemental Data Service Providers?

1:00-1:30

Steve Bradford, FAA/ANG Chief Scientist for Architecture & Next Generation Air Transportation System (NextGen) Development

Parimal "PK" Kopardekar, NASA/NARI Director of the NASA Aeronautics Research Institute (NARI) Ames Research Center

1:30-1:50 Break (20 Min)

2nd Session – Research/Gaps (90 min session)

Session Goal: Overview current UAS/UAM weather research areas and describe identified gaps.

Session Questions:

- What is the goal of your research related effort (which stakeholder gaps will you fill)? (How will it support safer AAM operations?)
- Who are your partners? What is your timeline?
- What will you deliver against your stakeholders gaps?
- What other research gaps/future needs are you aware of?

1:50-2:00 FAA/AUS Kerin Olson
2:00-2:10 FAA/ANG Kevin Johnston, Meteorologist, Aviation Weather Division
2:10-2:20 FAA/ATO Walter Combs, Manager FAA Weather Camera Program
2:20-2:30 DOC/NOAA/OAR/Air Resources Lab Bruce Baker, Senior Scientist
2:30-2:40 DOC/NOAA Melissa Wagner, NSSL/CIMMS
2:40-2:50 FAA/ANG/WISER Tom Rubino
2:50-3:00 NASA/TACP/CAS David Wagner
3:00-3:10 DOD/USN/NRL Joshua Cossuth, Meteorologist
3:10-3:20 DOD/USA/ARL Robb Randall, Chief Atmospheric Science Center

2nd Panel – Enabling the Vision (30 min)
Panel Question: How do we get from where we are today (minimal decisional support tools, minimal certified weather sources and weather data collected primarily by the Federal Government) to where we can have the information to make better risk-based decisions for AAM (low altitude) type weather operations?
3:20-3:50

Jack Kaye Associate Director for Research, NASA/SMD/ESD & ICAMS Research & Innovation Committee
Michael Shapiro, Deputy Assistant Secretary for Economic Policy, U.S. DOT NETT AUAM Council
Col Nathan Diller, Director AFWERK Program Office

3:50-4:00 Highlights from the day, preview tomorrow's agenda Nancy Mendonca, NASA

Acronyms
DOI/OAS – Department of the Interior/Office of Aviation Services
/BLM = Bureau of Land Management
USDA/FS/NIFC – U.S. Department of Agriculture/ Forest Service/National Interagency Fire Center
DHS/USCG – Department of Homeland Security/U.S. Coast Guard/HQ Aviation Forces
/FEMA – Federal Emergency Management Agency
DOT/FHWA – U.S. Department of Transportation/Federal Highway Administration Office of Infrastructure
EPA – Environmental Protection Agency, Air and Energy Management Division
DOC/NOAA/NWS- Department of Commerce/National Oceanographic and Atmospheric Administration/National Weather Service
/NSSL/CIMMS – National Severe Storms Laboratory/Cooperative Institute for Mesoscale Meteorological Studies
DOJ – Department of Justice
FAA/ANG – Federal Aviation Administration/Office of NextGen
/AUS - /UAS Integration Office
/ATO - /Air Traffic Organization
NASA/SMD/ESD - National Aeronautics and Space Administration/Science Mission Directorate/Earth Science Division
ICAMS -Interagency Council for Advancing Meteorological Services

/ARMD/NARI – Aeronautics Research Mission Directorate/NASA Aeronautics Research Institute

/AOSP/ATM-X - Air Operations and Safety Program/Air Traffic Management – eXploration Project

/TACP/CAS – Transformative Aeronautics and Concepts Program/Convergent Aeronautics Solutions Project

DOD/USN/NRL – Department of Defense, U.S. Navy, Naval Research Laboratory

/USA/ARL – U.S. Army/Army Research Laboratory

/USAF/AFRL/AFWERK/ – U.S. Air Force, Air Force Research Laboratory/AFWERK Program

DOT NETT AAAM Council - Non-Traditional and Emerging Transportation Technology (NETT) Council, Advanced and Urban Aerial Mobility (AUAM) Working Group