

ICCAGRA Meeting Minutes

Participants: Brad Kears, Randy Albertson, Jason Tomlinson, Nick Morgan, Tim Schnoor, Rick Petty, Peter Milne, Gerry Albright, Chris Cannon, Linnea Avallone, Joe Henry, Jim McFadden, Tom Cecere, Jeff Plaisance, Bob Houtman, Jeff Stith, Philip Kenul, Ron Ferek, Keihan Sedghi, Steven Johnson, Bruce Quirk, John Adler

Call-In: Dan Schwartz, Chis Webster, Everett Hinkley, Jeff Stith, Tom Ricks, John "JC" Coffey

Day 1

Opening Remarks

- Another group with possible overlapping charter with ICCAGRA (XCOM), add to matrix slide
- Discussed "swim lanes" showing the different roles of the Federal working committees
- Emphasize the VALUE OF THE DATA and the scientific observations
- Want to add a slide to the presentation showing international collaboration efforts.

Review of Actions

USGS Tom Cecere (verbal discussion)

- Sequester hitting USGS hard.
- Tom is working on more international coordination.

NOAA CAPT Kears, Jim McFadden (presentation)

- Airborne Composition Development Plan. Looking at airborne requirements.
- Next fall we would like to have Pam Taylor present the requirements of the ACDP
- Status Update – Observation Requirements Identification by Line Office phase 1, Sub of Validation Docs phase 2
- NOAA is taking a different approach to "Flight Hours"
- NOAA does not do much full cost recovery business
- P-3 Rewinging updates:
 - Jan 2015 1st plane
 - Aug 2016 2nd plane
- Difficulties of doing 24 hr ops with 1 P-3 and 2 crews. Logistics and risk of aircraft Mx issues.

DOI Tom Ricks (presentation)

- DOI contracts a lot of its airborne work.
 - Still have approximately 100 aircraft that are DOI owned
 - Flown by contractors
 - Capable of fitting the sensors to aircraft for research

USFS Everett Hinkley (presentation)

- Looking at possibly leveraging use of other agencies aircraft.
- Would like to have standby “Surge Aircraft” for busy times in the fire season.
- Great example of success story: The transfer of the AMS sensor to the USFS from NASA. NASA did not have need for it and helped with transition sensor from NASA to USFS.

NASA Randy Albertson (presentation)

- NASA’s 10 different departments operate very independently. Allows for good flexibility, but also has its own difficulties.
- NASA’s program drivers do not see a lot of need for SUAS
- NASA has a LOA with the FAA for operating SUAS in class G airspace.
- NOAA is working on same LOA. Should be available in a few weeks. (Added by Capt Kearse)

NSF Linnea Avalone (presentation)

- U. of Wyoming King Air is busy. Beginning to look for its replacement soon.
- As with many of the other agencies, we received good funding to acquire HAIS instruments but it’s been a struggle to get funding to maintain them.
- Some HAIS instruments are maintained at NCAR, but many are kept in possession by the PI
- Mentorship program that transfers control of sensors no longer used much

DOE Jason Tomlinson/Rick Petty (presentation)

- Possible opportunity for comparison of data with SENEX project. DOE will be working in Memphis in October ‘13.
- Very difficult to get Brazilian approvals for Amazon project
- DOE manages own instruments. Each instrument has own SME and makes it very time consuming to maintain instruments.
- Providing support for Mesoplex. Looking at salinity and sea ice issues in the Arctic. Supporting Sierra, Data Hawk (U. of CO), and Scan Eagle (U. of AK-Fairbanks).
- July 26th-28th, Workshop for Polar Atmospheric Measurements. Will provide a path forward on using SUAS platforms in the Arctic.

ONR Tim Schnoor (presentation)

- Scan Eagle should be first UAS with FAA certification.
- Looking to collaborate with NASA on HS3 program linking upper/lower levels of hurricanes.
- Testing of the new “Yankee” dropsonde system that is in the Globalhawk
- A-10 could be a good platform for studying upper level microphysical processes of hurricanes.
- If EVS-2 is approved, we would like to get the AF 53rd Recon Squadron to support ops in West Pacific.
- UAS are going to be designated as “State” aircraft

NRL/VXS-1 CDR Jeff Plaisance (presentation)

- P-8 pilots rotate between P-3 and BAMS as a part of career progression.

Guest Speaker: Keihan Sedghi of Deloitte (presentation)

- Interface with a common (command) tool that gives “six-click” capability to get fleet information
- Produces great transparency
- How does it relate to the ICCAGRA group?
- The idea is to create a decision making environment.

DAY 2:

Opening remarks, review of yesterday’s action items.

- Discussion about the charter. It’s time to elect new chairman.
 - Group determined that they are happy with the current leadership. Reinstated current leadership for the next year.

Guest Speaker: Dr Jack Kaye Associate Director for Research, NASA Earth Science (presentation)

- Gave an overview of NASA Earth Science Missions and how they are supported by aircraft.
- Discussed topic of Airborne Oceanography. No point of contact yet due to the idea still being in the early stages.

EUFAR (given by Randy Albertson, presentation)

- EUFAR also has a lot of issues with airspace access. There may be some cooperative efforts with NASA Globalhawk (add sensors, possible under flight).
- EUFAR may have about 500 people licensed to operate UASs.
- Discussion on potential difficulties of international collaboration. Security clearances, foreign guest procedures, etc.

Open Discussion following EUFAR Brief

- Difficulties in working with the Dept of State (presentation for next Fall on the subject?)
- Addressing the potential for data exchange. Where is the right place to go to look for useful datasets? (Discussion next fall meeting)
- We are in the process of creating a data management policy. 30 days to publish data.
- NSF looking to do some exchange of instruments on NSF G-V and DLR G-550. Currently most collaboration is on projects, instrument exchange more difficult

ICAP Discussion CAPT Kearse

- Discussed the latest minutes of the meeting (will fwd to members)
- Beechcraft is very common throughout the federal fleet. Beechcraft is looking at getting on GSA schedule for its aircraft.
- Jim Williams of FAA is involved with everything regarding UAS. As part of **the** COA process they want to see your “Due Regard” policy. NASA position is that is not required and not something the FAA has a right to require. Explained the whole COA process. The process for unmanned will work just the same as manned. I don’t want it appear as though we (ICCAGRA or any of its members) agree or accept unreasonable requests for information/documentation.
- There are 33 states with anti-drone clauses being drawn up.
- Instead of having COAs by platform, there are ideas about having COAs for airspace.
- Quick discussion on Notice 8900
- Discussion of operating UASs with “Due Regard”.

IWGADTS Chris Webster (verbal on phone)

- Question do we need to change our charter? Says something like interoperability between platforms.
- Investing in mission tools that are open source. Makes it simpler to coordinate on systems.
 - Discussion on AOCs efforts, G-IV and P-3 SENEX issues
- Chris Webster to come out to the next meeting to figure out a way forward with the ICCAGRA group.
 - Each agency come up with questions and think about how this would work into your agency for the next meeting.

ISRSE CAPT Kearse

- Add USFS, EPA to Presentation. Should reach out to EPA. Get a sense of what they do with their planes. Need Point of Contact
- Do we want to include European aircraft chart?
- Have more options of aircraft endurance/range charts.
- Doc - Include NOAA light aircraft as well.

SUS CAPT Adler (verbal)

- CAPT Adler is now Liaison to Oceanographer of the Navy
- Considering replacing Brenda Mulac (NASA) with a NSF as co-chair of SUS
- White Paper put out had 5 objectives
- Project of combining wavegliders with UAVs
- NOAA will be flying the Puma off the Healy in the Arctic
 - To see feasibility of viewing where to break ice
 - To view ports on where the icebreaker needs to get into

- Trying to work on what the metadata standards are from UAS data. Making people aware of ISO standards.

SCOAR CAPT Schwartz (presentation)

- Annual SCOAR Meeting will be held June 27-28, 2013 in Woods Hole, MA. There will be a webex link posted for those who cannot attend.

ISRSE Randy Albertson

- RA - There was talk about the US hosting the 2015 conference. Since there was no US presence at previous meeting, it probably won't happen.

Unfinished Business

- Discussed difficulty of interagency business (full cost recovery)
 - Exception to the rule being NOAA/UNOLS relationship. Using an IAA to move money back and forth with NOAA – UNOLS. (As well as the EPA)
- ICCAGRA metrics. What to use to show productivity?
 - Why we need to develop a Work Plan. We are then able to point to specific accomplishments.
 - Keeping tally of collaboration successes
- Have each agency come up with 1 outcome they would like to see as a result of the ICCAGRA meetings.
- Possible hosting of next meeting at NSF?

| # | Action Item | In Progress | Complete |
|----------|--|-------------|----------|
| 2013S 01 | Xcom potential for overlapping charter. Add to Interagency Charter Briefing matrix slide. Kearse | X | |
| 2013S 02 | Add a slide to the Interagency Charter Briefing that includes international collaboration. Kearse | X | |
| 2013S 03 | Share SUS Strategy Plan IWG-FI with members Adler? | X | |
| 2013S 04 | Create ICCAGRA Google Sites w/ password protection capability. Morgan/Kearse | X | |
| 2013S 05 | Distribute final version of Federal Oceanographic Fleet Plan. Caskey/Adler? | X | |
| 2013S 06 | Plan to have Pam Taylor present the requirements of the ACDP at next Fall meeting. Kearse | X | |

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| 2013S 07 | Put together a point of contact list for dealing w/ ITAR and Dept of State. Albertson? | X |
| 2013S 08 | Put possibility of international data exchange as topic for next meeting. Kearse | X |
| 2013S 09 | Forward email with presentations from ICAP to members. Kearse | X |
| 2013S 10 | Send out Notice 8900 to group. Kearse Add USFS and EPA to ISRSE presentation. Reach out to EPA, get information regarding their airborne fleet. Get Point of Contact. | X |
| 2013S 11 | Kearse/Albertson | X |
| 2013S 12 | Add more options of endurance/range/payload charts for presentation. Include NOAA light aircraft. Kearse | X |
| 2013S 13 | Keep tally of successful collaboration efforts. Fwd to LTJG Morgan. Morgan | X |
| 2013S 14 | Have each agency submit 1 outcome they would like to see as a result of the ICCAGRA meetings. Morgan | X |