**UASRCC MEETING MINUTES**

Friday, April 12, 2013. Twamley 305


**ABSENT:** J. Paukert, G. Hoover

S. Morrison called the meeting to order at 9:00 a.m. Introductions were made since new members were present.

1. A. Frazier brought to the committee an amendment memo for the previous applications to approve to allow the Qube since COA has been received. P. O’Neil motion to approve with B. J. Maxson seconded the motion. B. Milavetz asked if infrared camera would be used. M. Nelson motion to approve IR with G. Lloyd seconding the motion. M. Bowles asked if revised applications were necessary instead of the memo format that A. Frazier has used when adding new airframes. S. Morrison stated as of now there isn’t a revision form to use so this memo will be fine. Qube motion passed as well as IR motion.

2. Major Event Monitoring Application-P. O’Neil discussed having issue with monitoring persons/crowds but not having an issue with monitoring traffic. A. Frazier discussed that it is written in the COA that can’t fly over people. B. Milavetz asked if looking at traffic is video needed. A. Frazier stated it would be rare that video would be used. Would be satisfied putting in application that video will not be used but law enforcement may want video if an accident takes place. M. Nelson stated that video has been used in the past by law enforcement to look at traffic patterns. M. Nelson stated if discussing traffic need to state if vehicle or pedestrian or both. C. Juntunen stated that need to look at research ethics and when videotaping that is looking at human behavior which isn’t part of the research that is being performed. T. Heitkamp stated that if video is being done there needs to be some type of consent. S. Morrison stated that surveillance chills speech. Doesn’t think the community would like to be filmed by drones. A. Frazier stated that this committee can help influence how the technology is used throughout the country. E. Plummer stated that this application is probably the most useful to the community that affects everyone. G. Lloyd suggested since A. Frazier was ok not having video allow now with modifications to application stating that prohibited to use pictures/videos and may revisit after the mission has been in place. A. Frazier stated could put out to the press how images appear from the distances and how unable to pick out one person in crowd. M. Bowles suggested a research project working with sociology to create survey to better anticipate the public’s reaction of the use of UASs. C. Juntunen said she had students that would be interested in the study. B. Milavetz liked M. Bowles idea and proposed compromise to revise application for only use of vehicular traffic and asked if could make it only in one location? Discussed that currently people are already videotaped on interstate, bank, etc... M. Nelson stated that the technology is going forward with or without using a UND asset but how comfortable is the committee using a UND asset for this research. G. Lloyd had question regarding altitude listed on application, should be at 200-400 feet. B. Bowles asked to make announcement at event to state why UAS was used. A. Frazier stated it would be at the venues’ approval to make announcement. P. Haga stated that it is important to proceed slowly and cautiously to make maintain integrity of the research. Said that monitoring traffic flow is valuable to the community. He stated that if he was to ask people if they wanted to be monitored at an event, probably not but if wanting to get to and from work in a timely manner
they would probably agree it would be ok. P. O’Neil would support application with no video capture and within a specific corridor. M. Nelson asked what as a committee we are ok with regarding this application. A. Frazier stated will amend in application that no video capture would be used but would need a camera on UAS to view real-time. G. Lloyd had question regarding corridor is it reasonable to limit to a corridor. E. Plummer stated that if traffic is back logged outside of the corridor would be unable to monitor since not on application. Discussed only vehicular traffic and will come back in fall to discuss what has been monitored and if pedestrian traffic should be added. H. Wamstad stated not to list a specific street since depends on size of event. A. Frazier reminded committee that only have half mile radius to work in at a time and can only have one UAS in use at a time. P. O’ Neil motion to allow monitoring vehicular traffic in corridors established by law enforcement at a major event without recording. P. Haga second the motion. J. Jenkins asked if research could go forward without video. A. Frazier stated it would be beneficial but wouldn’t prohibit research performed. P. Haga asked if need to include corridor not in residential area. M. Nelson stated that there is a residential area that is close to Alerus that is used to route traffic during major event. Motion passed with one against. Application approved with the four amendments. Committee gave S. Morrison to approve application once revised.

3. Summer- All current applications have been reviewed. With summer coming some faculty are on nine month contracts and didn’t want to make mandatory to meet. M. Nelson stated that would be nice to see in the fall how the research went on applications that have been approved. Shouldn’t be a need to meet over summer. Would be nice to see an application from another area to see how it would be discussed. Three options don’t meet, meet regularly, or meet as needed if applications come in. T. Heitkamp proposed maybe a subcommittee to look at community standards to look at privacy, felt that it would be highly publishable. C. Juntunen has already expressed interest and would be able to work with T. Heitkamp to look at issues and do a study. M. Nelson stated that it is good to have more research that comes out of this. A. Palmer stated that doesn’t believe anyone is doing research like this. A. Frazier stated that he has another airframe that will be coming in May or June that is replacing the Dragonflyer but doesn’t have COA as of yet. Discussed if need new application or amendment memo is needed. S. Morrison stated would need full application for each. E. Plummer and P. O’Neill suggested noting changes using track changes would make clearer to track the changes from original application. S. Morrison stated that in fall may revise form and an amendment form. A. Frazier stated that there would be amendments every time new camera, etc... is acquired. P. O’Neil stated would be fine to vote via email but if one member has a concern the committee would meet. A. Frazier will send amendments to S. Morrison and Julie to send out. Any questions reply all so everyone can see question and response.

Meeting adjourned at 11:10 a.m.
Major Event Monitoring:
1. Add language regarding vehicular traffic
2. Corridors as established by law enforcement at a major event
3. No video capture/recording