



EOSS Meeting Minutes Tuesday February 12, 2019 Longmont, CO

Call to Order: Tom KE7KCK called the meeting to order at 7:00 PM. There were 14 present with 5 attending via Zoom Meeting.

Introductions: Marty WAØGEH introduced Mike W7MJK. Mike recently relocated to Cheyenne where he was listening to a podcast of Bill Brown WB8ELK which in turn lead to learning about EOSS through a local ham club. Welcome Mike.

Previous Meeting Minutes: Meeting minutes for January 8th, 2019 were emailed out for review and accepted as written during meeting.

Treasurer's reports: Rob NØRPF reviewed checking and savings accounts. Rob says everything is paid with exception of a few items related to the SDR systems. Steve KØSCC will submit an invoice for those items once final amount is known. Steve informed Rob that he has some additional items to invoice for new chutes and consumables.

Tech Committee: Steve KØSCC says that all payloads damaged in the hard landing have been repaired. He has four payloads ready to be qualified. Steve KØSCC has been working on new APRS configurations to overcome a noisy band that can prevent the digipeater from transmitting. The new configuration will be in the KØSCC-14 payload on the Qualification flight. If successful Steve will reconfigure AEØSS-12 and 13. Steve's master plan is to have five KCØD tops with wireless cut downs and five bottoms with the Alinco DJ-C7 radio and TT4 TNC. To get there we need to build two more wireless releases and three more Bottoms. Once the wireless releases are qualified, we can retire the Spheracutes with mechanical cut downs and start using the new 12-foot florescent orange and green Rocketman chutes.

Launch team: Larry NØNDM's only concern is wind conditions during fill operations. Larry will pack everything up after launch and then track with Nick NØLP.

Ground Station: Jeff N2XGL said that trackers with new SDR Tracker and a live internet connection will be able to get assent data to aide in landing predictions. Ground Station will setup an independent parallel system with attenuators to gage payload performance without interfering with I-gating. Randy stated that he can't make this flight. Russ KBØTVJ reminded Jeff N2XGL that a generator will be required at the launch site in Wiggins. Steve KØSCC will bring along his Cradle Point for internet in case AT&T service is not available at launch site.

Track and Recovery: Marty WAØGEH say were ready to go for the Qualification flight. We have a small group so far. Anyone who has not responded to request for trackers please do so. We will be working DMR back to the Ground Station along with our primary use of the 449.450 MHz repeater.

FAA: Russ KBØTVJ said we have received our waiver for 2019 from the FAA and everything is OK. Ben will post the application and the response from the FAA to the web site.

Qualification Flight: Tom KE7KCK will be nominal of contact for this flight of a single 1500-gram balloon out of Wiggins, CO. Nick NØLP added that restrooms will not be available at the launch site so please use other facilities before arriving. Steve KØSCC will bring flight string pre-strung and weighed. Lift factor will be increased to 1.3 with a goal of 75,000 feet. Once Steve KØSCC captures required flight data and payloads reach 75,000 feet Steve will perform a cut down to shorten recovery distance. Steve would like trackers to periodically switch to 144.36MHz and send position to help test new APRS configuration. Steve KØSCC would like to thank everyone for their support.

Upcoming flights: Tom KE7KCK and Jim KCØRPS reviewed upcoming flights. These are all posted on the web site.

C-Base Students: Tom KE7KCK will contact Chris KDØNRY to discuss the future of the C-Base Program.

Officer Election: Marty WAØGEH and Nick NØLP have contacted each of the current officers and affirmed that they would accept the nomination for the coming year. They also asked for officer nominations from the membership with no others being nominated. Tom KE7KCK made a motion to continue with our current slate of officers until Randy can setup an online election. Motion was approved. Randy will setup an election through Ham Club Online to allow entire membership the opportunity to vote. Results will be announced at the March Meeting.

Meeting adjourned at 09:00 PM

Minutes prepared by David Lanning, Secretary.