# KBOO Monthly Engineering Committee Agenda

## Wednesday March 1st 2017 7PM Studio One

**Welcome and Introductions** – Hand around the Contact sheet. You are valuable people. Please let us know how we can contact you.

Facilitator – Tom Hood

Minutes - Jessy D.

Attendance - Tommy H., Gil C., Robert J., Tom F., Jessy D., Mark W., Phil B., Jazz D., Mike J., Diablo N., Jon W.

**Meeting Guidelines -**

1) Take care of yourself
2) Step back, make room for all to have a say
3) Step forward, share your perspective
4) Say what you need to say without humiliating anyone
5) Don't make assumptions, ask for clarification.
6) Turn off your phone or put it on vibrate if you're expecting an important call.
7) Raise your hand to contribute and wait to be acknowledged by the facilitator
8) Use "I" Statements, speak from your own experience.
9) Keep a person's information you learn here confidential unless you have asked them.
10) Expect mistakes but be accountable and stay committed (to each relationship and to the work)
11) Upholding these meeting guidelines is everybody's business (not only the facilitator's). If you think a meeting guideline is not being upheld please use the process check sign and ask for a discussion of this. Process check jumps to the front of the line/cue and interrupts the discussion.

**Agenda**

**Kudos –** Thank to Mark Weiner for spending his Saturday on the Feb 11th remote webcast. Mark helped patch together a PA from a donation system. Once set up, the operator left. Mark did a great job operating and we ended up with great audio levels. Tommy- everything was recorded for later use, if needed to listen back.

**Power Outage Report –** Last Monday, KBOO and the surrounding 10 blocks suddenly went off grid. Service was restored in 20 minutes and we suffered no damage from power surge. Our UPS held and supplied the air room, Engineering rack, and server room with uninterrupted power. The office computers all came back without problem. Tommy- KBOO suffered no damage, we dodged a bullet. At least we know we have 20 minutes of reserve time. Phil- what's the power failure history? Tommy- it is pretty rare. A few years ago, PGE was doing work on poles around KBOO for several hours, which exhausted our UPS system. Phil- are most of the systems underground? Tommy- they're actually on the poles. There has been discussions around analyzing the UPS and perhaps getting new batteries. Mike- there will be a battery-replacement project in the future that we need lots of volunteers to

assist with. We have some batteries that we need to test out before installing. Phil- if it has been a few years that you've had them, it can cause them to fail by just a cell or two not working from lack of use (just sitting on a shelf). Mike- we have one that controls the Air Room, P3, Engineering Rack, and Server Room, so if anything happens, at least we have one that will be able to power broadcast for a while. Hopefully, an announcement can be made to recruit volunteers to assist. Phil- is there a bypass switch? Mike- there's software internally that's a bypass. Tommy- I have located the batteries, and we have a charger that will do trickle. Let's figure out a timeline for folks to assist with the project. Also, discuss a budget to purchase new batteries.

**Big Pipe STL Status** – Illinois says they used a sniffer and were able to ping and talk to the unit, however it was on 10.2.1.31 instead of 10.0.0.121 as labeled. It appears to be operational. Options are to ship it's head unit to them for further evaluation, or have it shipped back to us and have us do further troubleshooting. Placing the Big Pipe back online would give us the wiggle room to spec and budget it's replacement without pressure. Discussion. Mike- the head unit is up at the tower. Can we get into it and change the IP address? Phil- I can setup a sniffer to ping the unit, and perhaps the IP address it's reading is a default address. And we should request a factory reset of the head unit. Mike- we should get it back and reinstall it to see what it reads. Tommy- then we should have a trip up to the Tower. And I will ask about getting a factory reset on it. Phil- suggesting installing Rocket up at the Tower. Mike- it can be a few thousand dollars to get the proper licensed "tower climbers" to install it, and talk with other stations to see about getting it done for them as well.

**Comcast Install at Tower** – Checking on budget option for Comcast install at Tower. Would like to go forward with install ASAP. Will coordinate on an install date. Gil- do you have an idea on the cost of this? Tommy- I need to check with MacRae to get our account info and see what the budget is. I will also find out potential install dates, and see who is interested. It is a top priority to get Comcast installed. Mike- we currently use WiFi up at the tower, but it's slow and unreliable. Phil- or you can setup a VPN to log into. Mike- we have had issues connecting all the networks together up at the Tower with the many IT personnel we've had at KBOO, so it's been frustrating, since I've seen it done at other smaller stations. Phil- I would like to look at it, since I've seen things like this before.

**Critical Educators Collective Streaming Remote** – February 11 panel discussion streaming remote was successfully webcast from our IceCast mount point. The Event was also recorded for later editing and air broadcast. The TieLine streamer was used with Verizon 4G LTE Wireless USB connection which held at an optimal 99/99. Dropout free. Diablo- I listened to the broadcast, and it sounded good. Who was on the crew? Wasn't there supposed to be a remote for training? Mark- Just Tom and myself. It was poorly organized so the training opportunity wasn't possible. Mike- did we find out if there is money in the budget to purchase a new TieLine unit? Tommy- that's something we need to look at for this fiscal year.

**Visual Impairment Software** – MAGic software is now installed in Production 1. The new 24" monitor was damaged and returned for credit. It has been reordered and is ready for install in P1. Software will also be installed in the News Room. Tommy- new monitor arrived today and is ready to be installed, possibly installed tonight after the meeting.

**Telos Phone Patch in P2 –** Follow up. Mike Johnson thinks the Telos problem may be the console is not properly wired for Mix Minus. This would go all the way back to it's installation. Need to schedule time to open up that console and check it. Mike- Jenka and I went into P2 and looked at the Telos, saw issues with sending audio properly (Mix Minus: caller not receiving audio from studio and vice versa) I don't know what John Mackey did when it was installed, but it is not working properly. There is talk about revamping P2 and Studio 2, but that's for a much later date. I don't know if anyone else has an idea with how to fix the issue, but I'm open for others to work on it. Mark- I can look at it, I've had some experience with phone systems. Diablo- what's the timeline on the new KBOO phone systems? Mike- office phones install at end of March, but studio phone systems will remain as is until the budget is raised to get them installed ($27K). Phil- what type of system will be installed in the studios? Mike- Comrex VOIP systems, at 25up/5down.

**P3 Keyboard –** Once again we find drinks responsible for stuck keys on P3 keyboard. Insert anger here. Joe Lino suggests shock collars… Diablo- it would be helpful to put a shelf just outside the studio so people know to put drinks there, like there are in other studios. Perhaps we can let Erin know about this so she can include it on the Programmer email. Gil- I can ask Erin to include it. Mike- we aren't sure where it can be installed without it getting in the way. Tommy- this is a recurring issue, and I've had enough. If I see it, I will intervene. Robert- I wonder if we can install an alarm that triggers every hour with a pop-up window on the computer screen, informing folks to not bring food and drinks into the studio. Or maybe a screen saver? Diablo- maybe there should be consequences for bringing things in the studios, like we do when someone says obscenities on the air.

**IMediaTouch Evaluation –** Robert Jacobs Robert- I spoke with Jenka and we decided we should figure out what our requirements are before we move forward with it. Mike- we don't want to use Rivendell or RadioDJ (open source), we should use something that's "commercial packaged" that has user support. Denon does have a CD player that has a serial port that sends/receives metadata from a CD so the host knows what the title, artist and album name is. From there, it gets saved onto a digital playlist and posted online so listeners can view "now playing". Tommy- the Denon CD players in the Air Room have been repaired and are ready to be reinstalled.

**Air Room Projects –** Additional Aux In (POS) project. Needs fabrication and install. Logical fader location on air console needs to be identified. Install should have minimal impact on regular programming. Tommy- the POS will be renamed "Aux In". Diablo- I can send out an assessment to Erin for programmers to get input as to what types of media they use for their shows. Tommy- we need a rack unit and tested. Mike- I will be able to build a new unit, free of charge. But is anyone using the Input B on the CDRW fader? If not, perhaps that could be the secondary location for the POS.

The talent pod for Mic 3 had died. No headphone output. Tommy- would like to have Devin look at it and see if it can be fixed.

**Air Room Emergency Binder Update –** We are updating our ancient list of engineering contacts for the air room. Tommy- if anyone else would like to be included on that list, please let me know. Gil- is everyone ok with that? Are there any issues? Diablo- perhaps there should be a competence level of engineers listed, who knows what, so that volunteers know who to call first, etc.

**Engineering Room Cleaning and Dead Purge –** Tommy- Mark and I did some cleaning in Engineering and Dead Storage recently, and took a lot of things over to Free Geek. It will be continuing, so if anyone is available to assist with going through more items, please join us.

**Tommy's Health –** went to the dentist last week and wasn't able to have work done due to high blood pressure. Needing to change diet, lower stress, and better delegation of responsibilities at KBOO so it's not all on his plate. He needs to step back on things at the station until he can get his health more in order. Tommy- I will be posting some dates of time off and will be cutting back on responsibilities at KBOO, taking more vacation days. Diablo- how can we assist you?

Other items: Diablo- could we have a monthly discussion about maintenance and calibration of items in the studios? I know we discussed this during last month's meeting, and I just want to know if it will be a recurring agenda item? Mike- that would be a good idea, let's put it on the agenda for next month. Mike- this isn't an agenda item, just something to bring to everyone's attention. The Society of Broadcast Engineers meets monthly at the Buffalo Gap Saloon and it's a great way to meet people and learn what other broadcast engineers are doing. You can get more information on their website: sbe124.org.

**Next Engineering Committee meeting date to be Wednesday April 5th Studio One 7PM**

**Thanks All of You Beautiful People!**