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Subject: Campus Radios

Keeping in mind that we don't have a very firm inventory on the older equipment, here are the groups that have access to campus radio equipment:

- Public Safety - Around 50 of the new digital radios (more on this in a moment) - includes handheld and mobile units
- Facilities Management - Around 40 of the older narrow band radios
- DSP&S - Around 6 of the older narrow band radios
- Continuing Education - 2 of the older narrow band radios
- Athletics - 6 of the older narrow band radios
- Technical Services - Around 20 of the older narrow band radios distributed between Event Services, Performing Arts Operations and Broadcast Services
- Auxiliary Services - may have 2 radios, not sure
- I have also heard that Public Safety may have given one of their digital radios to Uyen Mai, once again, not sure
- Mike Gregoryk's office has at least one Public Safety digital radio assigned to them.

As far as available licensed channels on our system, our office has currently licensed the following:

- Channel 01 - Analog narrowband - Common Campus Channel - Repeater (464.825/469.825 MHz)
- Channel 02 - Analog narrowband - Common Campus Channel - Simplex (464.825 MHz)
- Channel 03 - Analog Narrowband - Itinerant Channel - Simplex (464.550 MHz)
- Channel 04 - Analog Narrowband - PAC Operations - Repeater (461.575/466.575 MHz)
- Channel 05 - Analog Narrowband - PAC Operations - Simplex (461.575 MHz)
- Channel 06 - Analog Narrowband - Public Safety Tactical Channel - Repeater (463.900/468.900 MHz) Radios on this frequency carried by LA County Fire and LA Sheriff
- Channel 07 - Analog Narrowband - Public Safety Tactical Channel - Simplex (463.900 MHz)
- Channel 08 - Analog Narrowband - Itinerant Channel - Simplex (464.500 MHz)
- Channel 09 - Analog Narrowband - Broadcast Services - Repeater (464.225/469.225 MHz)
- Channel 10 - Analog Narrowband - Broadcast Services - Simplex (464.225 MHz)
- Channel 11 - Digital Trunked - Public Safety - Repeater - (464.100/469.100 MHz)

The digital trunking system can support two simultaneous conversations between two different user groups; we are presently only implementing one group (Public Safety)

Most campus radios are restricted from Channels 6 and 7, and only the digital trunked radios can access Channel 11. The majority of operational communication takes place on Channel 1; this is the channel that was virtually shut down by untrained users generating unnecessary traffic during the last major earthquake response on campus.

Without a central dispatch point, communication between different channel groups is extremely awkward. As part of the stadium and EOC projects, we are in the beginning phases of investigating a new transmitter site on the hill directly west of Buildings 23, 46, 47 and 48. The functions of this tower would be:

- 1) Provide a new location for the microwave link to the KSAK transmitter, this link is currently on a stadium lighting tower, which will be coming down at some point
- 2) Provide cell phone repeater service to Buildings 23,46,47 and 48 (and possibly Building 80) as all these buildings have virtually no service
- 3) Provide a new location for campus repeaters (presently on the roof of Building 28)

This would be a good time to discuss the overall management and operation of the radio system and the need to expand the system to service growing needs. Two immediate issues are worth mentioning:

- 1) We really need to purchase the hardware to link the old Public Safety Tactical Channel (Channel 6) to the new digital system (Channel 11) so that emergency communication with LACSO and LACFD can be re-established.
- 2) IT has a substantial need for two way communication with their field techs. There is a digital trunk assigned to their use, but they do not have any radios.

Hopefully, this is enough information to start with, I'd be happy to discuss this in depth as needed.