

Minutes for AMiBA Engineering Telecon

Meeting Date: 5-May-2005

Participants:

Australia:

USA: Ted, C.T.

Taiwan: Chao-Hao, Johnson, Patrick, Pierre, Joshua, M.T., Homin

USA Dial-in = 1-800-653-5390, 6668081#

Outside USA Dial-in = 1 773 843 6301

Minutes Recorder: (Kyle from audio recording)

I. New Action Items:

II. Previous Action Items (still open):

III. Closed Action Items (as of this meeting):

IV. Miscellaneous Discussions:

Platform:

Ted - Philippe talked to the manufacturer of interface ring. They seem to be willing to cooperate. Philippe will come to Honolulu next Thursday and talk to them face-to-face about our spec and most concerned requirement.

Ted - The reason they hesitated to continue the job was partly because the manufacturer was unhappy with our inspection. They think some of the inspection was too detailed and unnecessary.

M.T. - What made Mr. Mu change his mind? He does not have the machine to machine the entire ring in one piece. And he was not confident he could finish the job to our spec, right?

Ted - Philippe, Kevin and I had some discussion and we thought they could machine the ring with six pieces individually. From Philippe, Mr. Mu seemed to agree that he can now do the job. However, he still wants to talk to Philippe before proceeding.

Homin - Please send a copy of the drawing to me.

Site:

Ted - The vendor has finished 80% of job and need only one more day to finish but not sure which day. Currently all the gates and fences are completed. We have a 22-foot main driving gate and two 4-foot pedestrian gates (one in the back and one next to containers). They need to install a stopper and one more pole.

Helium line & Receiver:

Chao-Hao - I'm still testing the helium lines and will finish it in one to two weeks.

M.T. - It will arrive Hilo in about one month. Will there be a platform for it to mount? And we just shipped out the two compressors to Hilo. They need to be on the site as well.

Johnson - We need some more isolators. We have informed the vendor to fix the two with mismatched interface and we are asking quote for two more to fill Rx8.

Ted - The length of helium line depends on the length of cable tray. I've contacted a cable tray company called IGUS(?). I am sending them some information about how we want the cables up. I think we can get the length of helium line pretty soon.

Pierre - Please let us know how much longer do we need to prepare the electrical cables (48V) once you know the cable tray length.

Cold Head power distribution:

Pierre - I am going to phone the company for the rack(?). This job will finish before I go to Hilo, in about two weeks.

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Mount:

Patrick - We got all the new software from Vertex. I plan to go to Hilo next week and stay for four or five weeks.

Correlator:

C.T. - After the design of the bracket is finished by Chao-Hao or our new mechanical engineer, we should have a review meeting.

Ted - How we review this issue depends on what kind of drawing we have, 2D or 3D? If we have 2D design, it will depend more on how we make it. Like our current bracket, the design was good but the way we made it was not good.

Homin - He should have both 3D and 2D design and we can challenge him from all aspects.

C.T. - Ted and I rent another storage space so we can clean up the lab to unpack my package for correlators. I am assembling the EMI shielding now.

C.T. - I also checked the 48V power supply in CSO. We had a 15A fuse in it and it was burnt.

Calibration System:

Pierre - I talked to Kyle last week but mostly about layout and control.

M.T. - When Kyle gets to Hilo, we should have a review meeting about calibration system so we all know what's happening.

LO/IF:

Johnson - Waiting for reply of the variable gain amplifier from the vendor. I will also check with Debbie to see when the 42GHz variable attenuators will arrive in Hilo.

Misc:

M.T. - Debbie told me that she has found a smaller place near the previous SMA office. She will tell me more about it shortly. This is very urgent.

M.T. - I've sent two job descriptions to Sun to hire people in Hilo. One is an electrician, and the other is a microwave engineer. I also hope to come up with a site manager.

Homin - We should get Light to come to Hilo. He can help on some things, like network, etc.