Client Meeting Friday 6th of September
AITC
Chair: Steve
Secretary: Chris

Summary:

Celine updated on the progress in the project

Actionable Items:

- Figure out the measurements of the frequency sound generator
- Send Celine list of requirements/questions for the laser building team to answer by this week, or next week
- Update Wenjie on the changes to the coolant requirements

Attendance:

Steve (S), Paul (P), Brian (B), Chris Leow (CL), Celine d'Orgeville (CD)

Apologies:

Wenjie (W) – travelling, Alex (A) – had to leave early

Agenda:

Item	Discussion	Actions + Responsibilities
Meeting Open	2:23pm	
Update	P: Modifications to the 2-breadboard concept design. Added modifications and consulted with Mark Blundell. P: James Webb answered all questions regarding vibrational sensitive components on the EOS laser. S+P: Most likely oscillator will be in clean room due to temperature stability. Fibre optic and ethernet from the clean room. Sound frequency generator needs dampening. CD: Laser goes into the BTO, then the beam will be affected if there is introduction of differential motion between the laser beam and the telescope than compensate for that. P: who do we talk to re beam centring mirrors? CD: I think that is me. I can find that information on the component. Ask me again and be insistent and firm if I don't give it to you. P: Injection seeded amplifier, isn't in the design, but he will add it back. Sound frequency generator is the only thing that needs to be considered.	

	CD: Would you consider doing measurements for the sound frequency generator. S: priority is low to measure vibration in clean room. So sound frequency generator is the more important thing. S: Air quality control. 10k class. They don't make specific systems for small box systems. James said that they do it with plastic and fan blowing air downwards that should get it down to that level. CD: but that's the labs S: Similar closed system that will filter out all particulate matter. Monitor to check is an option. CD: Don't want to create vibrations. Mark, or other people from EOS have experience. Gaston worked on air flow in BTO in Gemini LGS Optics. S: anti-static flooring. Anti-static conductive floors, or anti-static is non-conductive as well. Is there something…? CD: I don't remember talking to the previous team about it. Talk to team making the laser. Making sure the area of the region is correct. CL: Concept design report template. Wrestling with Latex. But template is there and it will slowly have stuff moved into it. CD: I am still new to Latex, so I understand. Good to hear. B: confirm power auxiliary cabinet. Power is simple, but communications isn't easy. James was in a rush to leave. 1 ethernet and canvass for control. Dunno if they are going through the cabinet. CD: James has two people contracted out that could answer your questions. Try and find them. B: Can email them. S: Powering of the ANU laser like EOS?	

Client Meeting Friday 6th of September
AITC
Chair: Steve
Secretary: Chris

	CD: Suspect that is the case. Start as soon as next week at the facility. Would be even more useful to have those questions and constraints. Give it to me next week or the week after so I can send to the laser builders. S: Power sockets are an issue. Conflict has been resolved, but need more information on the cooling system with EOS, P: hopefully using the same one that the EOS system is using. P: single cooler of 400W waste heat. Using chilled water already at the telescope, or they will bring in their own. CD: Question with ANU laser would be defining capacity of telescope and ANU maximum cooling capacity. S: Laser safety is practically covered since there are other lasers in the area that has a high-power laser. Other safety requirements only really need it when there's maintenance. S: Procedure for maintenance. CD: Main requirement is still enclosed.	
Plan for the weeks to come	CD: Preparation of the course? P+S: One more audit then the poster presentation. Nothing major coming up. CD: Plan in the coming weeks? P: Coming in next week. Cable routes next week. Everyone else is continuing. S: Access to the storage room down stairs? Need rope to measure the distance. CD: We can have a look. CD: Update Wenjie on requirements changing	
Meeting Close	2:46pm	