

## Minutes of the CALICE WP Managers' meeting

2 November 2006

**Present:** MGG (chair), DW, MW, PD, DB, NW

### Financial issues

1. Paul confirmed his recent email concerning additional costs for MAPS as set out here.

We have hit a problem with the MAPS which might require us to spend non-trivial amounts of extra money, probably in this FY. I thought it would be worth warning you of this briefly before the meeting on Thursday.

It turns out we will lose a lot of the ionisation signal charge into the readout circuit unless we make an extra implant layer under the circuit to cut off the signal from the circuit. This is currently non-standard for MAPS fabrication processes. The company who will do the fabrication say it would be possible (they have a similar process but with the opposite polarity) but they would need to spend a month qualifying the process for use. They would need us to pay for this; they quote \$80k ~ 50kpounds to do the development. This seems essential if we are to get a good enough S/N so I think we have to find the money. Also, we will need to do this in this FY to keep to a sensible schedule.

RAL/EID will benefit from this more generally than CALICE as their other MAPS work would also be improved by using such a process. Hence, I have asked that they split the cost with us. I have had no response yet but I hope it is likely they will contribute. Hence we would have to find ~25kpounds which we didn't expect. Clearly, this is the sort of thing that the working allowance is for so we will need to inform the OsC at the meeting in a few weeks.

One other aspect of this; qualifying this process will take extra time and we will no longer make the Jan fabrication submission deadline. The next date is Apr so this will incur a 3 month delay overall. Even then, the qualification (and hence spend of the 25k) would need to be before this and hence in this FY; hence the need for the money now. We might be able to gain back something like a month in the test period by preparing better (we have three more months to do so) so as to have a two month delay longer term, but overall it is clear we will be delayed to some extent.

It was agreed that this additional cost must be funded and the assumption is that if there are no savings elsewhere it will eventually be funded from the Working Allowance.

This development will be reported to the OsC at the end of November.

2. The projected outturn for the current FY, recently made to Rutherford was noted.

The details for requisitions and consumables are as follows.

|       | M&O = Consumables | Requisitions = Equipment |
|-------|-------------------|--------------------------|
| WP1   | 7.8               | 0.0                      |
| WP2   | 3.6               | 40.1                     |
| WP3   | 0.0               | 28.0                     |
| WP4   | 2.0               | 0.0                      |
|       | ====              | ====                     |
| Total | 13.4              | 68.1                     |

where:

- o WP1 is 3.8k cables (already spent) plus 2 x 2.0k for laptops for Birmingham and RHUL. (Really WP5 but there is no separate budget code as this is the only expenditure of that WP.)
- o WP2 is 17.7k equipment (already spent) and 22.4k estimated spend plus 3.6k estimated consumables spend, as per Matthew's email
- o WP3 is 3.0k estimated equipment spend on a MAPS DAQ system plus 25k for the new fabrication process development
- o WP4 is 2.0k estimated consumables spend on licences and glue studies

3. There is still a problem understanding RAL/EID charges, where we appear to have been overcharged compared with cost estimates made by RAL at the time of the proposal. This still has to be understood.
4. It was agreed that all WP Managers plus MGG need an FRS account. Paul will arrange this.

### **Staffing**

1. Valeria Bartsch has now started at UCL. She will continue to be paid on another UCL project (ESLEA) until April when she will transfer to the EUDET CALICE grant.
2. Marcel Stanitzki will start at RAL on 6 November.
3. Tao Wu has accepted the RHUL post and will start as soon as his work permit is arranged.
4. George Mavromanolakis will be moving to FNAL in January on a top-up fellowship. He will continue to be paid his UK salary and will continue to work on CALICE.

### **Work package progress**

1. WP1: LCWS07 is in May 2007 and hence the milestone at task 27 is delayed by 2 months. The dates of the 2007 test beam periods are still evolving.
2. WP3: the delay (see above) was noted. This will feed through until the final test beam stages of the WP.
3. WP5: fewer results will be presented at Valencia than originally planned, principally to ensure that we do not present further preliminary results. Thus this milestone will be missed.

### **Next meetings**

The next two meetings were confirmed as 10 January and 5 March at 9:30 by phone.

M G Green

6 November 2006