

UKube-1 Bulletin

Week 55, 15th July 2011

The intention is to produce a weekly bulletin of ongoing activities related to UKube to help keep our international team informed of progress. Thanks to everyone who pushed me into making this happen, Graham and Abyd being root causes...

Critical Design Review

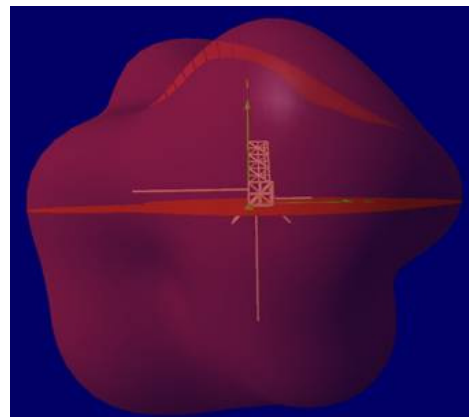
Thanks to everyone who contributed to the CDR. The review conducted between Clyde Space by Astrium. It was agreed by both parties that although significant progress has been made, the CDR was not passed. It was however successful in identifying core areas for us to focus on in the near term, to be reviewed at D-CDR, and funding to progress to the delta review has been approved by the UKSA. Clyde Space is currently reviewing the full report to produce a detailed action plan. Apologies to everyone whose emails went unanswered during this period!

Funding & reorganisation

The UKSA has approved a small additional fund, recognising the effort that has been put in to the program to date. As a result Clyde Space and in particular Martin is taking on a more 'Prime' role moving forward, taking over from Ronan at Astrium. Sincere thanks to all the effort of Ronan in getting us as far as we are. With the KTP finally at an end I have now transitioned to Clyde Space, although the project maintains a strong link with the University of Strathclyde through Derek et al.

Antenna tests

Preliminary RF testing was conducted at Strathclyde to establish whether the radiation patterns for the UV monopoles mounted on the 'top' of the satellite appeared consistent with predictions by Mike at RAL Space and gain experience before we do anechoic chamber testing. They do (very approximately – the impact of the one sided ground plane was observed) and we've learnt a lot about walls and padding.



EM acceptance

Due to the CDR, and reorganisation of the program, the acceptance of EMs supplied by key partners has been postponed and is now restarting. Many thanks to all those who have delivered parts in the last month or so,

- AstroDev
- Ecuadorian Civilian Space Agency
- UV Transceiver
- Titanium Solar Panel Clips

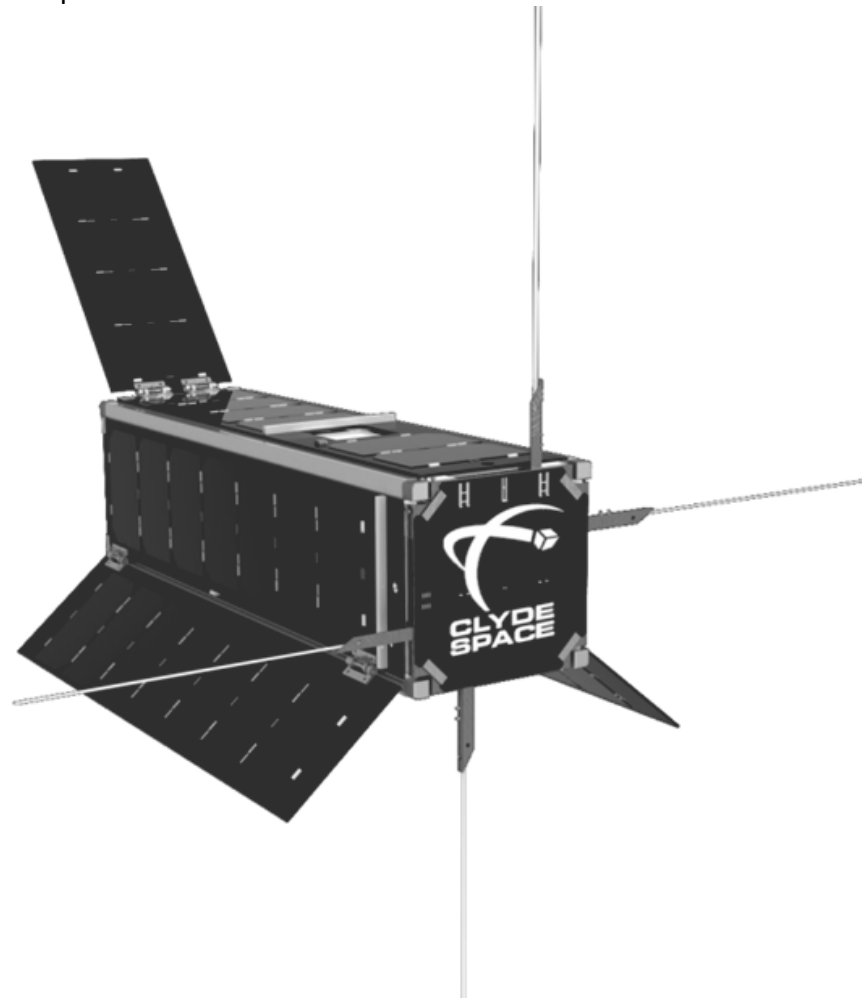
- AMSAT-UK
 - Cape Peninsula University of Technology
- FUNCube Transceiver
S-band Transmitter

Test bench

With the end of the UKube financial year, approval and ordering for the last of the KTP budget at Strathclyde to be used on a dedicated bench for UKube testing has been given.

New renders

CAD MAN Steven has produced some new renders for UKube based on the configuration presented at CDR. Marvellous.



Next week objectives

- Finalising Clyde Space contribution to ground segment
- Agreeing actions for all subsystem leads internal to Clyde Space
- Restart work in moving UKube to D-CDR
- Set up test bench as the equipment comes in
- Preparation for AIVT kick-off

If you have any news to include in next weeks, (and any requests – pictures?!) then please email steve.greenland@clyde-space.com