The AMOBA & AIR activities

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The ESA sponsored AMOBA activity aims to build a multi-platform POSIX compliant ARINC 653 OS. The AMOBA activity also aims to perform a first study on which changes or add-ons must be done over the ARINC 653 standard as for it to cope with the specific space needs. This study shall be WP1 of the AMOBA project and the conclusions achieved shall be included on the AMOBA simulator (WP2 and WP3). WP1 is planned to be over by September 2007 and as such we believe to be relevant to present a resume of the conclusions we have reached on the workshop.

Also on last May, Skysoft and FCUL have ended the AIR activity (also ESA sponsored), which aimed to study and do a proof of concept prototype on the adaptations required on the RTEMS OS to offer the application interface and the functionality required by the ARINC 653 standard. A paper (ARINC 653 Interface in RTEMS) was presented at the DASIA conference with the results of the activity. At this point Skysoft and FCUL continue to work on evaluating future evolutions of the results achieved on the scope of AIR.
As such we propose to present the AIR activity achievements and the future work that Skysoft and FCUL aims to do on the scope of AIR-II.