

SESSION SUMMARY: Summary and Plans for next IRTAW

Chair: Joyce Tokar
Rapporteur: Ben Brosgol

1. Prioritization of AIs

Based on the work done throughout the week and the proposals put forth by the workshop attendees, the group agreed that there needed to be some prioritization of the outstanding AIs. In addition, someone from the IRTAW needed to take on the responsibility of completing the AI and submitting to the ARG.

The top five issues to be worked on are listed below:

Id	Description	Status	Who
AI-249	Ravenscar Profile	Done	Tokar
XXXX	CPU Budgets	Work	Gonzalez
AI-266	Task Termination	Alternative	Wellings
XXXX	Time Events	Work	Burns
XXXX	Dynamic Ceilings	Work	Real

There was a question of whether the Ravenscar AI should include requirements for documentation of relevant metrics, and, if so, which metrics. Such information (e.g. the overhead of clock interrupt handling) is important to users. However, it is difficult to formalize these sorts of requirements, and in any event the data tend to be specific to particular boards / configurations. Another possibility is to provide benchmark tests (something like the Ada 83 PIWGs) that users can run. The group eventually decided (vote was 17-1) that documentation requirements would not be part of the Ravenscar Profile amendment, but instead go into a supporting report on guidelines for usage of the profile. It may be worth noting that the one "no" vote (where "no" means "include documentation requirements as part of the Profile itself"), from Steve Michell, was a strong "no", based on his perception that the vote was premature and that if there had been an opportunity to propose specific documentation requirements then people may have had a more favorable response.

Other issues that need to be presented to the ARG as Ada Issues include:

Priority	Id	Issue	Status	Who
High	AI-265	Partition Elaboration	Simplify	TBD
Low	AI-264	Exceptions as types	Reflect rework	TBD
Low	AI-250	Extended Protected Types	Need an example	Michell
High	XXXX	Non-preemption	Done	Burns
High	XXXX	Round Robin Scheduling	Work	Gonzalez
High	XXXX	Real-Time DSA	Work	Gonzalez

The group agreed that the first set of issues were very important and should be sent to the ARG in time for the meeting in June 2002. The remaining issues need more work and some ownership before they will be ready for discussion at the ARG level.

2. Next IRTAW

Joyce reported on the organizing committee's decision to hold another IRTAW. Although the number of submitted papers (9) was down from previous workshops, it was felt that the IRTAW series can continue to play an important role in shaping Ada. Plans are in place to hold the next workshop in September 2003 near Porto, Portugal. Luis Miguel Pinho will be the local arrangements coordinator, and Tullio Vardanega will be the Program Committee chair.