

Open Kit Technical Committee Meeting Minutes of July 17, 2003

Next meeting to be August 7th, 2003 from 10am 'til noon at the same Synopsys location.

Attendees:

Jim Falbo, CiraNova
Craig Harris, CiraNova
David Lan, TSMC
Mike Colwell, Virage Logic
Anjaneya Thakar, Synopsys
Eric Lin, Silvaco
Coby Zelnik, Sagantec
Ravi Rao, Synopsys
Ralph Lanham, Artisan
Peter Hunt, Portability
Brian Appold, Silterra
Keith Lanier, Synopsys
Wolfgang Roethig, NEC

Susan Estrada, Qualcomm
Glen Hertz, ADA
Geert Evens, AMIS
Michael Alston, Artisan
Andy Brotman, Conexant
Louis DesPrez, Philips
Frank Boyland, Chartered
Peter Fleischman, TI
Rick Brzozowy, Motorola
Mark Vaughn, AWR
Raminderpal Singh, IBM
Paul Koch, Cadence
Mahmoud Shahram

Intro, background, status

I went through the history of the initiative and brought everyone up to date on all activities. I also went through the Accellera mission statement and goals/objectives for the Open Kit initiative.

Technical approach so far:

Mahmoud went through the slides and spreadsheets that detail the technical approach that we have adopted up to this point. There was considerable debate over the organization of the approach and the scope of the initial activities. This debate will continue for a short time and we will probably incorporate the notions of "component", "tool", and "process" separation that we had been discussing previously. It is fairly obvious how to incorporate the component and tool organizations into the current flow structure. On the process side, discussions were raised about targeting particular process nodes for the spec development. Should we target a particular node as a baseline for spec development and if so, which one? Should we target the next most likely node for high density digital functions? Or should we target an existing node that is perhaps more used for analog functions? We did not resolve this question at the meeting and it remains open. In addition, the question of the scope of initial work was touched on multiple times in the meeting. There may be very valid reasons to at least document the requirements for scalability of the standard into analog and high frequency domains. This issue, and the process node questions need more discussion before any dispensations can be made.

White Paper Development (DOD)

We discussed the requirement for a statement of intent, aka white paper, aka Design Objectives Document. This document must be a mid level description of the OK initiative's intent and approach. It must be in understandable text and contain illustrations that aid in the understanding of the issues and potential solutions and approaches. It must be synchronized with the high level roadmap owned by the PCWG. To that end, headings in the DOD can be slide bullets in the PCWG roadmap. As we start down this process, unknowns must be noted as unknown and future work must be roughly scoped in time. As per the Accellera BoD instructions at the DAC meeting, the DOD must be suitable enough for communication to the Accellera Board at the September 10th, 2003 Accellera Board meeting. It need not be complete or perfect. It does, however need to be clear enough and compelling enough to continue the Accellera sanctioning of the OK initiative. We formed a sub working group to own the DOD development and maintenance. The team consists of

Wolfgang Roethig, NEC (chair)

Paul Koch, Cadence

Susan Estrada, Qualcomm

Mahmoud Shahram, Synopsys

Ralph Lanham, Artisan

David Lan, TSMC

Submissions, Donations proposals

We agreed that the DOD will outline general topical areas against which we can solicit for submissions. One point was made that we should look for the best work in specific areas and not to accept complete design kits from any one source. The qualification and acceptance process will use Accellera guidelines and voting rules. Since we will be using the DOD to structure the requests for submissions, early drafts of the DOD are necessary for circulation to the committee for feedback on the structure of the DOD and for its clarity of the areas against which submissions may be judged.

DOD development and liaison with the PCWG

The PCWG owns the high level roadmap and the OKTC owns the DOD and the specification. In other words, the OKTC develops the descriptive content about what we are doing (the DOD), and the end result (the specification), and the PCWG publicly uses that content to further the OK initiative and member company's best advantage. Therefore, synchronization and communication between the two groups is important. We discussed how to most effectively accomplish this. In the short term, I can provide the liaison function and longer term a joint team of three to five people to meet and keep the groups synchronized is probably the right idea.

Alignment with other standards bodies and industry associations

There are other existing and some not existing but desirable activities in the industry involving related areas to the OK initiative. We discussed these groups and in fact there were representatives from FSA and VSIA at the PCWG meeting and at the OKTC meeting. The sense of both groups is that we should proactively partner with at least FSA and VSIA on ongoing activities and initiate contacts with CMC, STARC, and perhaps EDAC to explore partnering on content development and on joint communication opportunities.

Timeline management

7 July 2003 – Committee membership roughly stabilized.

17 July 2003 – First OKTC meeting, these are the minutes.

September 10th 2003 Accellera meeting – DOD complete and OK 1.0 framework in place.

15 September 2003 – Call for donations in each area described in the DOD

15 September 2003 – Have documented the rest of the milestones necessary for the OK 1.0 release. Initial target for OK 1.0 is 2004 DAC

Action Items

DOD team to publish as soon as possible their schedule aiming toward the September 10th Accellera meeting and the requests for submissions.

The question of targeting of process nodes and if so which one is still open. Nick English to find an owner.

Nick English will take the question of the scope of initial work (analog?) to the DOD team

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Finally, once again the next meeting will take place on **August 7th, 2003** and will be hosted by Synopsys at the same location. Details and agenda will go out about a week before the meeting.