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IBIS EDITORIAL TASK GROUP
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<u>Attendees from August 28 Meeting</u>

ANSYS	Curtis Clark
Cadence Design Systems	Bradley Brim
Cisco	David Siadat
Intel Corp.	Michael Mirmak*
Keysight Technologies	Radek Biernacki*
Mentor Graphics	Arpad Muranyi*
Micron Technology	Justin Butterfield, Randy Wolff
Signal Integrity Software	Mike LaBonte*, Walter Katz*
Teraspeed Labs	Bob Ross*

No patents. Michael Mirmak joined the meeting late. Thanks to Mike LaBonte for taking notes for the first half of the meeting.

Arpad Muranyi asked if C_comp-related editorial changes could be made. Bob Ross responded that he would support this if the change is simple.
Arpad noted this would delay our review cycle and the vote on 6.1. Bob replied that he thought the language is good enough for this version.

Walter Katz observed that the Editorial Task Group would reject any change that affects functionality. Model makers can make unambiguous models using C_comp_*.

Arpad presented an example. One model uses [C Comp Corner] for pullup and pulldown, but has C_comp under [Model]. The [C Comp Corner] subparameter names are the same as [Model] subparameters. This causes confusion. How do the following interrelate?

        [Model]
        C_comp
        [C Comp Corner]
        C_comp_pullup
        C_comp_pulldown

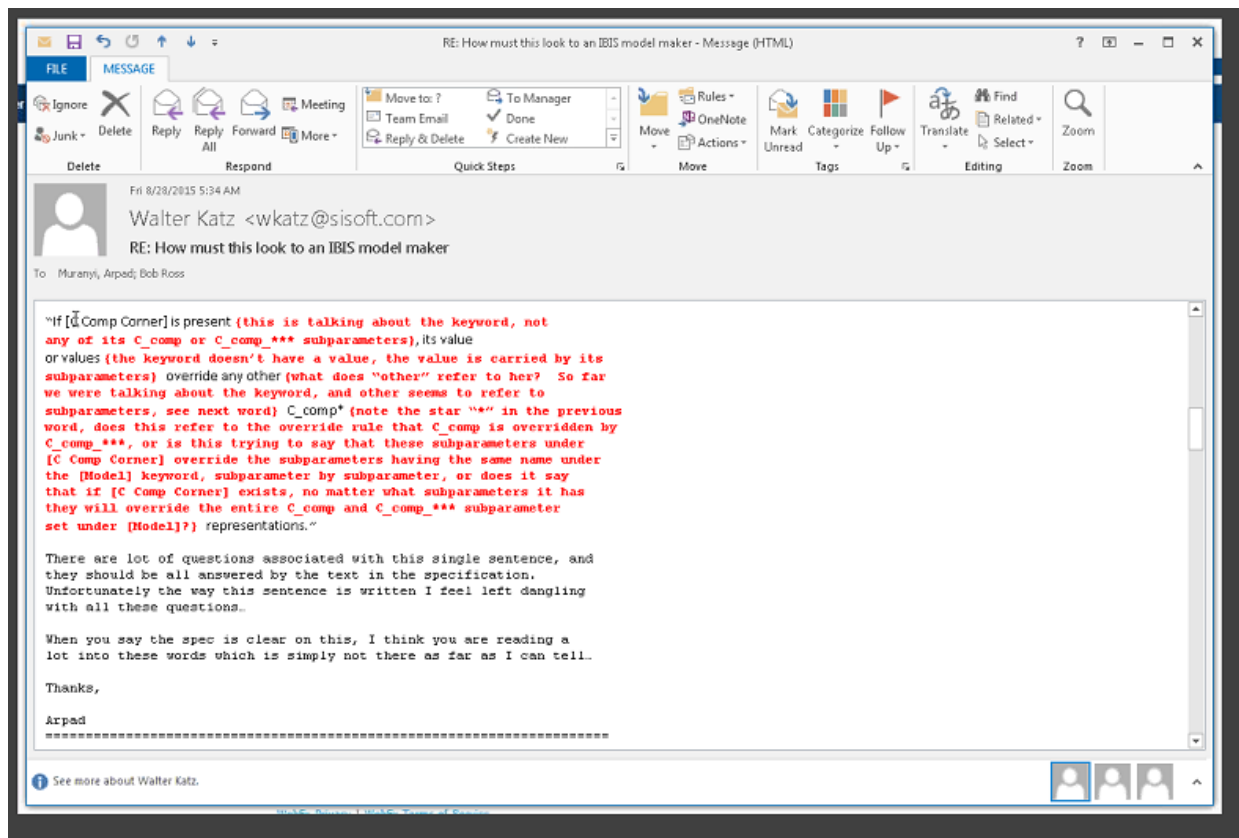Walter suggested a BIRD. We do not have to do this in 6.1.
Bob replied that [C Comp Corner] overrides [Model], but only if the tool supports [C Comp Corner].
Radek Biernacki stated that any tool that supports [C Comp Corner] should use that.

Arpad noted that, if a tool does not support [C Comp Corner], it will skip over all items until the next keyword. Also the min/max values would be reversed. Bob replied that the text is clear other than one missing word: [Model]. If you don't support C_comp_corner, you shouldn't use it.

Radek Biernacki stated that, if [C Comp Corner] is present, it overrides other values. If there is no value to override, then it will not override. Some tools might not support split C_comp.

Arpad showed an email adding comments to the [C Comp Corner] paragraph in the specification, and how it may be edited:

Fri 8/28/2015 5:34 AM

Walter Katz <wkatz@sisoft.com>

RE: How must this look to an IBIS model maker

To   Muranyi, Arpad; Bob Ross

"If [C Comp Corner] is present (this is talking about the keyword, not any of its C_comp or C_comp_*** subparameters), its value or values (the keyword doesn't have a value, the value is carried by its subparameters) override any other (what does "other" refer to her? So far we were talking about the keyword, and other seems to refer to subparameters, see next word) C_comp* (note the star "*" in the previous word, does this refer to the override rule that C_comp is overridden by C_comp_***, or is this trying to say that these subparameters under [C Comp Corner] override the subparameters having the same name under the [Model] keyword, subparameter by subparameter, or does it say that if [C Comp Corner] exists, no matter what subparameters it has they will override the entire C_comp and C_comp_*** subparameter set under [Model]?) representations."

There are lot of questions associated with this single sentence, and they should be all answered by the text in the specification. Unfortunately the way this sentence is written I feel left dangling with all these questions…

When you say the spec is clear on this, I think you are reading a lot into these words which is simply not there as far as I can tell…

Thanks,

Arpad
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See more about Walter Katz.

Arpad noted that the keyword doesn't have a value – it's the subparameter that holds the value. Also, clarification is needed if C_comp* and C_comp are misused in here. The assumption here is that if [C Comp Corner] is present, it should override everything else related to C_comp under [Model]. Alternately, you could split [C Comp Corner] pullup and C_comp_pullup the [Model] keyword.

Radek replied that you could use both. Mike LaBonte agreed.
Bob stated that the intent is that the [Model] C_comps, all of them, would be overridden with [C Comp Corner]. Walter agreed with this.
Mike asked whether only one part is overridden, per Radek?

Walter stated that a model-maker can always make a model unambiguous, or we can put in a table for the EDA vendors.

The group's consensus was that any related change would not occur in IBIS 6.1.

Arpad suggested that this be taken up as a technical correction in the IBIS-ATM Task Group. He originally thought this would occur in the Editorial Task Group. Radek replied that only technical problem is the tool is given the choice which C_comp to use, by the specification. This needs to be clarified. Arpad accepted the AR to place the [C Comp Corner] issue on ATM agenda.

Michael Mirmak asked whether any other issues have been found in IBIS 6.1? Mike stated there were no known issues. Bob stated that the final step upon approval is to place the approval date on it.   Michael noted that this was already set in the draft to September 11.

Bob moved to recommend the current draft of IBIS 6.1 for approval by the IBIS Open Forum. Radek seconded.   The motion carried without objection.

The team then briefly discussed the positioning of IBIS 6.1 in the IBIS Open Forum agenda. Mike will handle the final agenda order.

Radek asked about ideal ground discussions. Should these take place in Interconnect or ATM?
Michael suggested ATM. The team was within a couple of months of the Interconnect BIRD being completed. Arpad suggested

Interconnect. Bob and Walter were encouraged to handle Terminal details offline, but the rest of the meeting was used to discuss some related details.

For the moment, an Editorial Task Group meeting will be kept on the calendar for September 4. No other changes anticipated.