Cliff's votes summarized:

See attached document for explanations.

1655 <u>Yes X</u> No
1732 <u>X</u> Yes <u>No</u>
1777 <u>Yes X</u> No
1371 Yes <u>X</u> No (but close?)
1384 <u>X</u> Yes <u>No</u>
1707 <u>Yes X</u> No
1680 <u>X</u> Yes <u>No</u>
1427 <u>X</u> Yes <u>No</u>
1723 <u>Yes XX</u> No !!!
1736 <u>X</u> Yes <u>No</u>

Cliff's votes:

Please mark your vote below by an x. If No, then specify a reason. Send it to the reflector.

1655 \_\_\_\_ Yes \_X\_\_ No

This is an extensive proposal and one that I would like to better understandby way of discussion in an EC meeting.

For example, I am not convinced that 18.5.1 inferred that default cross bins would be created. They are not created for coverpoints unless the default keyword is used, and what does it mean that "the cross retains those automatically-generated bins ..."?

The proposal is a good starting point but this one should be discussed in a meeting. This is non-trivial.

1732 <u>X</u> Yes No

## 1777 <u>Yes X</u> No

The clarifications are generally good but I think that there are mistakes in the expanded examples of this proposal.

## 3 [ ->3 ]

WAS:

is the same as

...=>3=>...=>3=>...=>3

(seems to indicate two cycles required between samples and leading cycle before first example)

PROPOSED: 3...=>3...=>3

(shows eventually at least one cycle between samples)

3 [-> 3] => 5 is the same as	
WAS:	=>3=>=>3=>=>3=>5
PROPOSED:	3=>3=>3=>5

3[=2]

is the same as the transitions below excluding the last transition.

 $\begin{array}{cccc} & 3 \Longrightarrow 3 \Longrightarrow 3 \Longrightarrow 3 \Longrightarrow 3 \Longrightarrow 3 \end{array}$ WAS: ...=>3=>...=>3
PROPOSED: 3...=>3

A nonconsecutive repetition followed by an additional value is represented as follows:

3 [=2] => 6

is the same as WAS: ...=>3=>...=>6 PROPOSED: 3...=>6

TYPO (missing "the") WAS: Transition bin b6 and b7 will each increment on 12th sample. PROPOSED: Transition bin b6 and b7 will each increment on the 12th sample.

the rest of the proposal, including additions to the example and explanatory text all looks good.

1371 \_\_\_\_ Yes <u>\_X</u>\_ No (but close?)

Friendly amendment (program blocks are not part of a design)

WAS: If there is least one **initial** block within at least one **program** block in a design, ...

PROPOSED: If there is least one **initial** block within at least one **program** block in a compilation unit, ...

Friendly amendment needed (awkward wording, even after the marked-fordeletion part is removed)

Calling \$exit from a thread originating in an **initial** block of a program shall execute a **disable fork from within** as well as end all **initial** blocks in that **program** block.

(The red bold text - what does this mean??)

Is this possible?? If so, please embed an example into the sentence.

... Calling \$exit from a thread that does not originate in an **initial** block in a program shall have no effect. ...

(A module cannot call a task in a program that has a \$exit - can a module task have a \$exit in the task? Where is this documented?)

1384 <u>X</u> Yes <u>No</u>

1707 <u>Yes X</u> No

I don't understand the issue well enough. I would like to discuss this in an EC meeting.

- 1680 <u>X</u> Yes No
- 1427 <u>X</u> Yes No

1723 <u>Yes XX</u> No !!!

I completely disagree! The num method tells me how many items I currently have stored in the associative array. If we add a size method, it should tell me the possible size of the associative array if it were filled. For example, I would like to declare a bounded sparse associative array and then query the maximum array size with a size method. Something to replace the old Cadence DAMEM PLI code. Something like this: typedef bit [9:0] addr\_range\_t; logic [7:0] damem [addr\_range\_t];

This would be an associative array of 8-bit words that can be accessed with addresses in the range of 0-1023. Nice bounded associative array for memory modeling. Useful for especially large memories without the need to statically allocate all of the cells.

If I declare an associative array with an enumerated type index, I would like a size method to tell me how many array elements can be accessed and the use num to tell me how many have been written.

If I declare an associative array [\*] (unbounded), the size method could return -1.

I think size is NOT the same as num for an associative array.

1736 <u>X</u> Yes <u>No</u>