

ICU 2003 Capture / Capture CIS Top-5 Issues

1. **Title:** Multiple Undo's

Description: OrCAD Capture currently has the ability to execute only one level of UNDO. This is completely unacceptable in a product that is touted as being a professional CAD tool. All other competing CAD tools I use (Mentor, ePD, PowerLogic, Visio) have multiple levels of UNDO. For that matter even Microsoft Word has multiple levels of UNDO! This is a necessary feature in a tool of this sort due to the complexity of current designs and the inherent "lets draw the circuit this way since we can always go back" nature of modern schematic capture. The current state of OrCAD Capture allows zero flexibility in this regard and severely limits its usefulness as a "professional" CAD tool. Our firm has stopped using the program for new designs for this and other reasons. Unless it is changed it will be relegated to only opening legacy files.

Cadence Response: Feature added to the 10.0/15.0 Releases with infinite level of undos, option to clear on Save, user definable states for undo/redo and Occurrence / Instance level support.

2. **Title:** Part Symbol Generation

Description: The ability to generate a symbol from a text file would speed designs and make them more accurate. The file should be a .CSV file that can be output from Excel. Entering in a 1000 pin device can take all day when you include checking. Many IC vendors provide text files of pinouts or these can be extracted from PDF datasheets. The information in the file would include Name Number Shape Type.

Cadence Response: Committed for 10.5/15.5 Releases currently planned for Q4'04. AE software available in 9.2.3 which was formalized/converted into a utility compatible with 10.0. (Available now from www.orcadpcb.com) PCB Librarian Expert now supports Capture parts and has extensive CSV import/export capabilities.

3. **Title:** Save Changes prompt appears when NO change has been made

Description: OrCAD Capture currently displays a very confusing and inaccurate prompt when exiting the program having made NO changes. In OrCAD Capture merely opening a .dsn file and then closing it will elicit a "Do you want to save changes.." prompt from the program even if not a single change was made! This can lead to real confusion as to whether some value or component was actually changed. Bear in mind that OrCAD can be open for hours just for viewing purposes; when it is then closed hours later and this prompt appears it causes unnecessary doubt when in fact NO change was made to the file. In this situation the application should simply just close down with no prompt whatsoever since nothing was altered within the file.

Cadence Response: Committed for 10.5/15.5 Releases currently planned for Q4'04.

Already closed 7 related issues in 10.0/15.0:

PCR: 326779 In the library print preview if you choose to close, Msg.

PCR: 558169 Variant information can be forced onto the Schematic.

PCR: 482961 Printing design asks for saving each page

PCR: 326900 Prompted to save on closing even when no changes made

PCR: 318016 Don't want to be prompted to save pages after choosing Save As

PCR: 321964 File Save does not appear to work correctly when editing a page

4. **Title:** Printing Order Of Capture schematic pages

Description: It would be really good if Capture would print ALL pages in the order of page No. rather than it s current alphabetical on page name.

Cadence Response: Problem resolved in 9.2.3 Release.

Occasional support calls due to the following:

– Pages containing multiple title blocks with different page numbers. Page numbers may not be visible to the user.

– User Manually changes the page numbers in a complex hierarchical design. Can be corrected by running: Tools -> Annotation -> Incremental Annotation.

5. **Title:** Add Constraint manager to the tool'

Description: Capture would flow much nicer with allegro in high speed design if the constraint manager tool was built into it.

Cadence Response: Adding the high speed signal properties flow from Capture to Allegro in release 10.5 / 15.5.