

ICU 2003 Allegro Top-5 Issues

- Title:** Multiple UNDO and REDO after exiting command.
Description: At present when executing a command and closing it using "DONE" there is no way to UNDO these actions. Customers want unlimited UNDO and REDO capabilities in Allegro like we have in ConceptHDL.
Cadence Response: **Scheduled for the 15.2 Release. First live demonstration at ICU 2003.**
- Title:** Better representation of slots in padstacks / drill chart.
Description: Manufacturers are often confused by the inclusions of slots. If a slot designation were included in the padstack it would be less confusing for the manufacturer. (i.e. instead of specifying just a drill diameter the slot dimensions would be generated in the drill chart).
Cadence Response: **Scheduled for a 15.X release. A large Drill overhaul is underway and includes; tolerance, slots and more.**
- Title:** Enhance Spacing/Physical rules – enter thru Constraints Manager.
Description: The Spacing and Physical rule sets desperately need to be incorporated into a spreadsheet method like the Constraint Manager. The current method has remained untouched for years and requires the user to waste valuable time to set this up. If this is added then it will actually be a Constraint Manager.
Cadence Response: **Beyond 15.0. One of several large development items being investigated.**
- Title:** Move enhancement: enable mirroring symbols/provide hot-keys.
Description: Presently the Move command does not allow the user to Mirror components while in the command. Mirroring the symbol must then occur in another function entirely. Allow for a hot key such as F5 to incrementally rotate based on the settings in the Options tab. There would be no pick required the symbol would merely rotate around the floating cursor every time F5 was pressed. Enable the mirror capability within the right-mouse-button menu and provide a hot-key such as F6 to allow for instant mirroring of symbols similar to above.
Cadence Response: **The place manual function allows the mirroring of components. Changes to improve the use model are being investigated.**
- Title:** Adobe PDF File output directly from Allegro / Text Searchable PDF files
Description: Generate PDF File directly out of Allegro without the use of the Adobe Distiller. Nearly all other CAD systems have the capability of direct output of drawings in PDF. This is the most popular format used for specs & drawings on web sites it would seem logical for Allegro to have this capability. The current release of software automatically explodes text into line draws when generating a Postscript plot file using File > Create Plot.. this causes the PDF file generated by Adobe Distiller to not have text, which is searchable. There is settings inside of Plot Setup which leads you to believe that you can control the Postscript output by un-checking "Vectorize Text" but this only works when generating plot files using File > Export > IPF.
Cadence Response: **Native PDF output is not planned for the 15.x releases series. Searchable Text is under investigation for the 15.x series**

The following two issues were voted as a top issue but Roadmaps indicate that they will be correct in Allegro 15.0. These issues will be excluded from the initial Top 5 issues but will need to be verified by Cadence that they have been truly corrected in Allegro 15.0.

- Title:** Full differential routing capabilities in manual route mode.
Description: Full differential routing capabilities in manual route mode.
Cadence Response: **The ability to route/slide a diff pair as a single object is available in the 15.0 release. RMB functionality includes options for adding symmetrical vias, via spacings, single trace, neck down of line and gap. Limited functionality for broadside routing is also available using add connect as long as the 2 clines are directly over each other and a primary gap is defined.**

7. **Title:** Interactive Bus routing – Route multiple lines.

Description: In previous versions of Allegro the ability to group multiple clines/pins and route as a group was available. The interactive routing algorithm was revamped in Allegro 14.0 and the functionality to group clines/pins to route as a group was no longer available.

Cadence Response: Scheduled for a 15.x release. Phase I of Bus Routing (group routing in add_connect) is planned for the 15.2 release.