

1) Spreadsheet like calculations within CM

Currently CM does not allow you to add constraints that depend on values of other nets or pin pairs of other groups or Ecsnets etc. Would be nice if CM would allow for true spreadsheet like calculations or dependencies.

Response from Cadence:

- Under consideration for a future release, beyond 15.5
- Considered as part of a project with variables and custom worksheets

2) Enhanced Reports on Constraints

Need better reporting on Constraints for both design reviews and for checking. Currently you can report the worksheet but that also shows the nets that are not constrained in that worksheet. It would be good to have a report that indicates the net name the constraint type settings and values. Also the schematic sheet number from Concept would be good. Options for generating could be by net name by page or by constraint type.'

Response from Cadence:

- Under consideration for a future release, beyond 15.5

3) Match group with the sum of two pin pairs as a target

In many cases groups of nets need to be matched to the sum of two nets.

Response from Cadence:

- Plan is to handle with solution for number 1
- Today any 2 nets that share a common component can be joined in an XNet

4) Enhancements for Matched Groups

Please add the ability to do Match Group to Match Group constraints without having to add a net into each of the match groups to do it. Once a match group is created it would be good to use that match group object in setting other constraints to other groups. Also to automatically create a matched group for a bus.'

Response from Cadence:

- a. MG to MG constraints w/out putting net in both groups
- b. use MG to create constraints to other groups
 - Under consideration for a future release, beyond 15.5
- c. auto-create MG for a bus
 - Bus Scope for Topology Apply, one possible solution

5) Make signal names visible for pin pairs

Description: 'When using pin pairs you have to look at each entry and then look at the bottom of the screen to see what net/xnet the pin pair belongs to. Could there be another column in the form (that you could turn off/on) to display the net and/or xnet name?'

Response from Cadence:

- Available now in 15.2*

6) Support of all physical constraints

Support of physical type constraints within the Constraint Manager is poor. Constraint Manager should be the place to enter all constraints for each of the Cadence tools. For instance setting layers or alternate layer sets for routing certain traces can only be done within Allegro or Spectra. Same with spacing rules etc... Should be able to do these in Constraint Manager when launched from ConceptHDL too.

Response from Cadence:

- Planned for next major release