

How to Create a .cibd File from Mentor Xpedition for HLDRC

White Paper

May 2015



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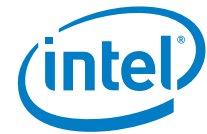
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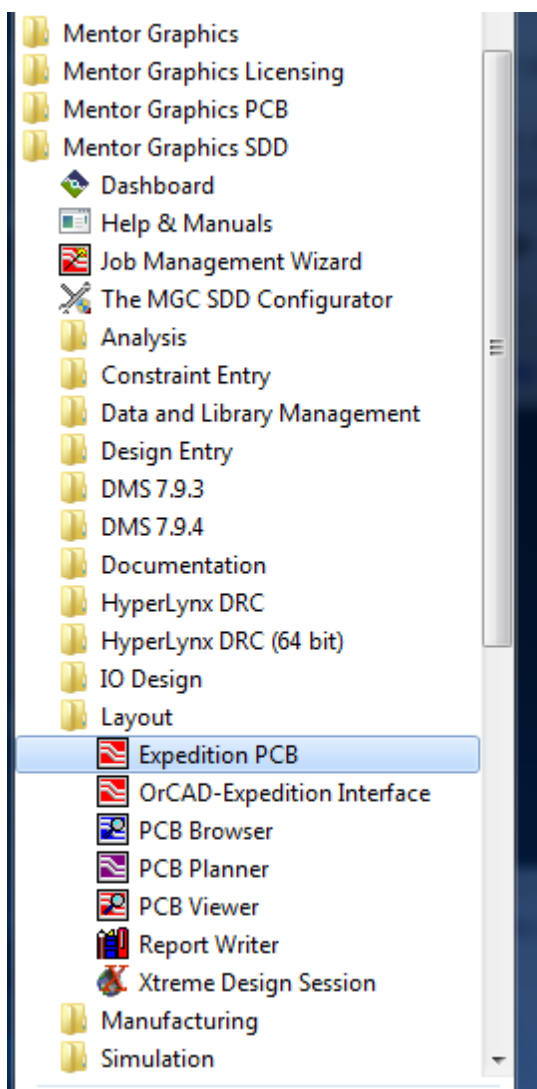
Revision History

Document Number	Revision Number	Description	Revision Date
052889	1.0	<ul style="list-style-type: none">• Initial release	May 2015

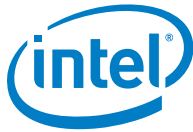
1 Create a .cibd File

Open Mentor Graphics Xpedition PCB under Mentor Graphics SDD\Layout\Expedition PCB:

Figure 1. Open Mentor Graphics Xpedition

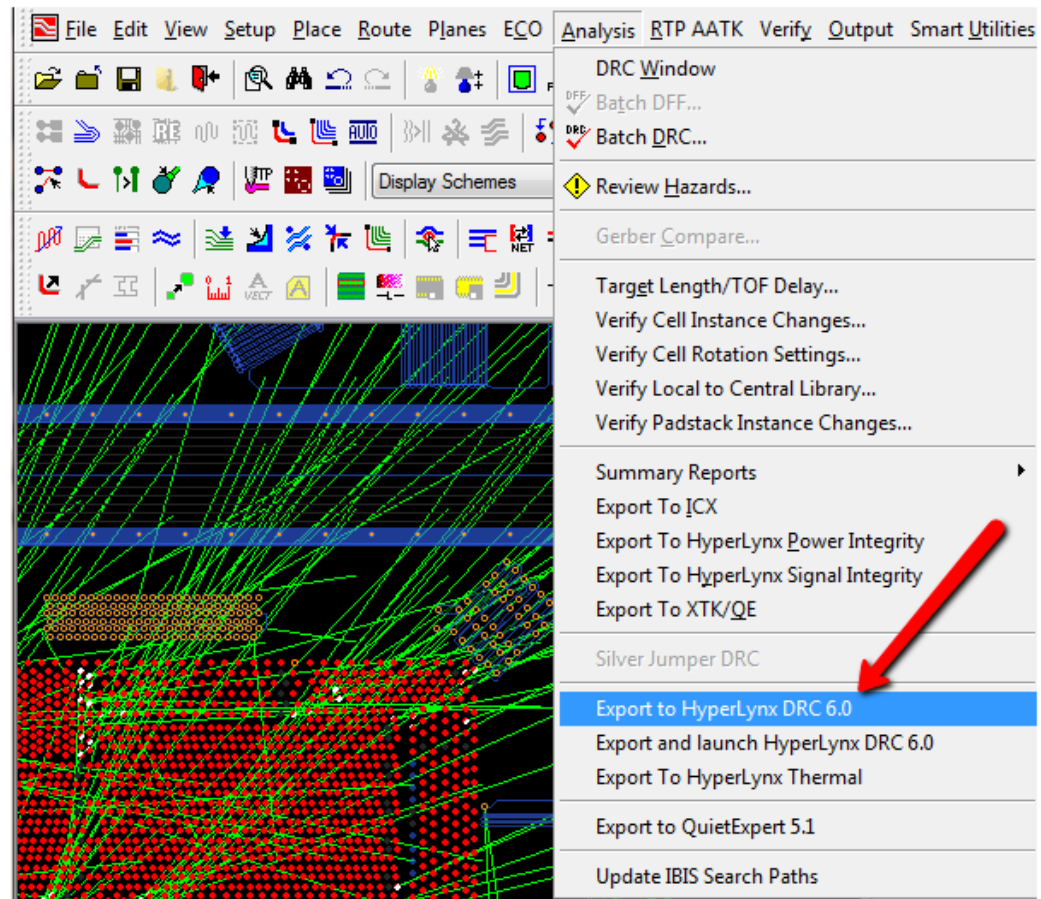


Let the default license take effect when the pop up appears; I believe it defaults to Pinnacle. Wait for several minutes for Expedition to actually open, there is no indication it is happening and if you open it twice that will corrupt the data base and make the file open as Read Only.



From Expedition database:

Figure 2. Export to HyperLynx

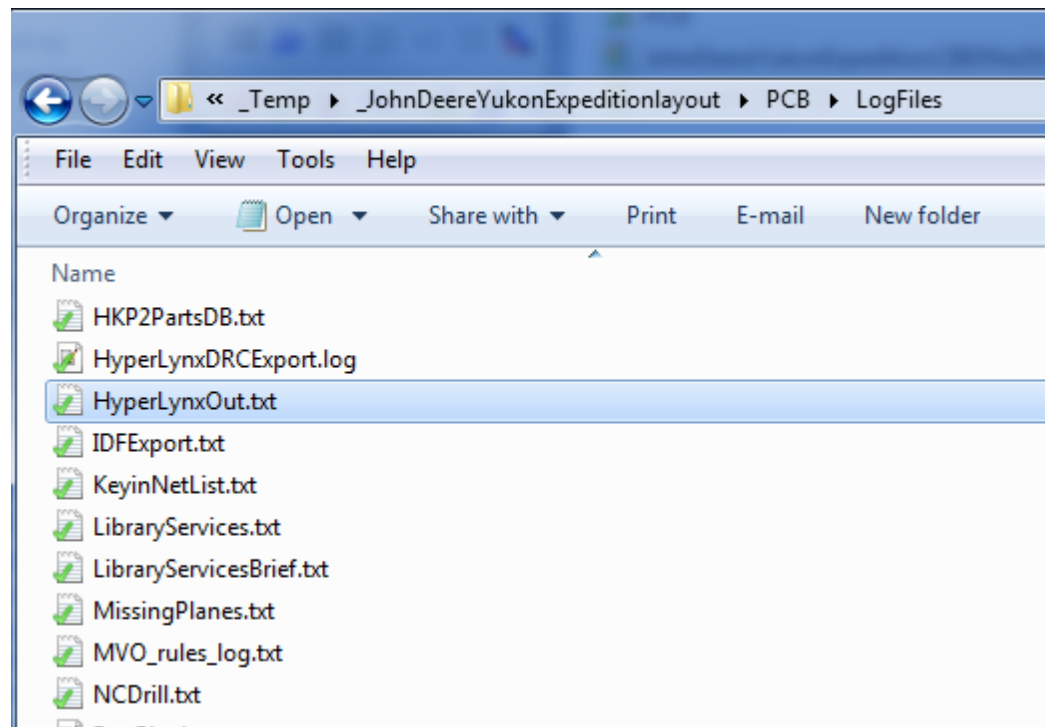


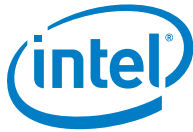
Create a .cibd File



The Info shows Results in HyperLynxOut.txt; look in the PCB\LogFiles directory (file name blocked):

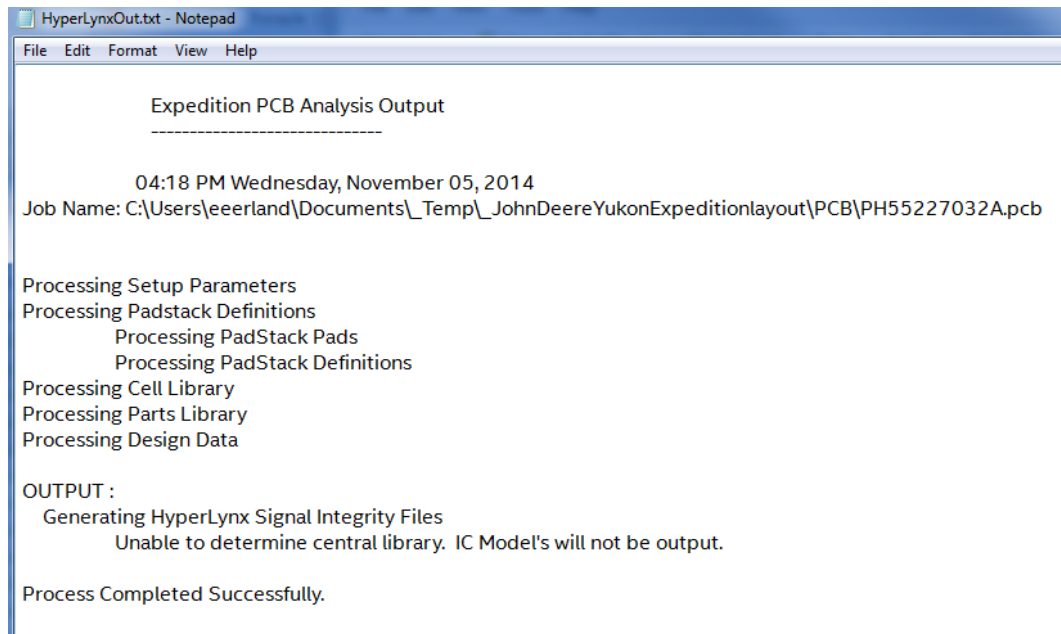
Figure 3. HyperLynxOut Text File





All that file had was an indication of whether the process completed successfully:

Figure 4. Process Completed Confirmation



```
HyperLynxOut.txt - Notepad
File Edit Format View Help

Expedition PCB Analysis Output
-----

04:18 PM Wednesday, November 05, 2014
Job Name: C:\Users\eeerland\Documents\_Temp\_JohnDeereYukonExpeditionlayout\PCB\PH55227032A.pcb

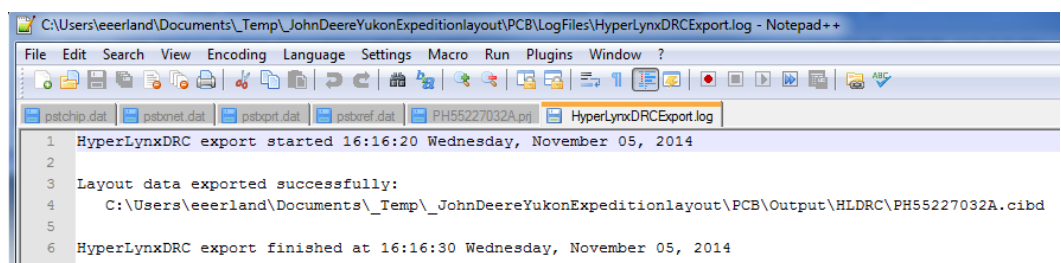
Processing Setup Parameters
Processing Padstack Definitions
    Processing PadStack Pads
    Processing PadStack Definitions
Processing Cell Library
Processing Parts Library
Processing Design Data

OUTPUT :
    Generating HyperLynx Signal Integrity Files
    Unable to determine central library. IC Model's will not be output.

Process Completed Successfully.
```

The CIBD file path was shown in the PCB\LogFiles\HyperLYnxDRCEExport.log:

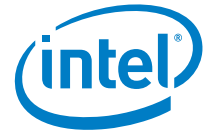
Figure 5. CIBD File Path



```
C:\Users\eeerland\Documents\_Temp\_JohnDeereYukonExpeditionlayout\PCB\LogFiles\HyperLYnxDRCEExport.log - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?

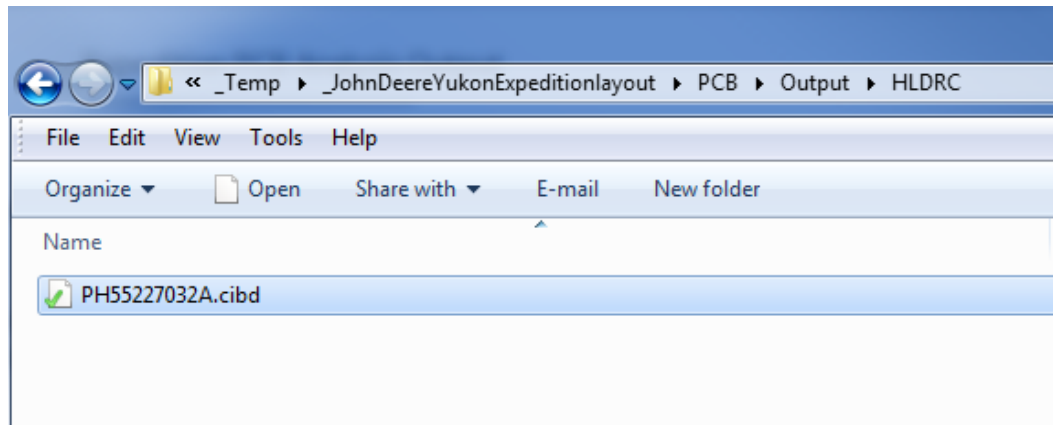
pstchip.dat pstxnet.dat pstxprt.dat pstxref.dat PH55227032A.pcb HyperLynxDRCEExport.log

1 HyperLynxDRC export started 16:16:20 Wednesday, November 05, 2014
2
3 Layout data exported successfully:
4 C:\Users\eeerland\Documents\_Temp\_JohnDeereYukonExpeditionlayout\PCB\Output\HLDRC\PH55227032A.cibd
5
6 HyperLynxDRC export finished at 16:16:30 Wednesday, November 05, 2014
7
```

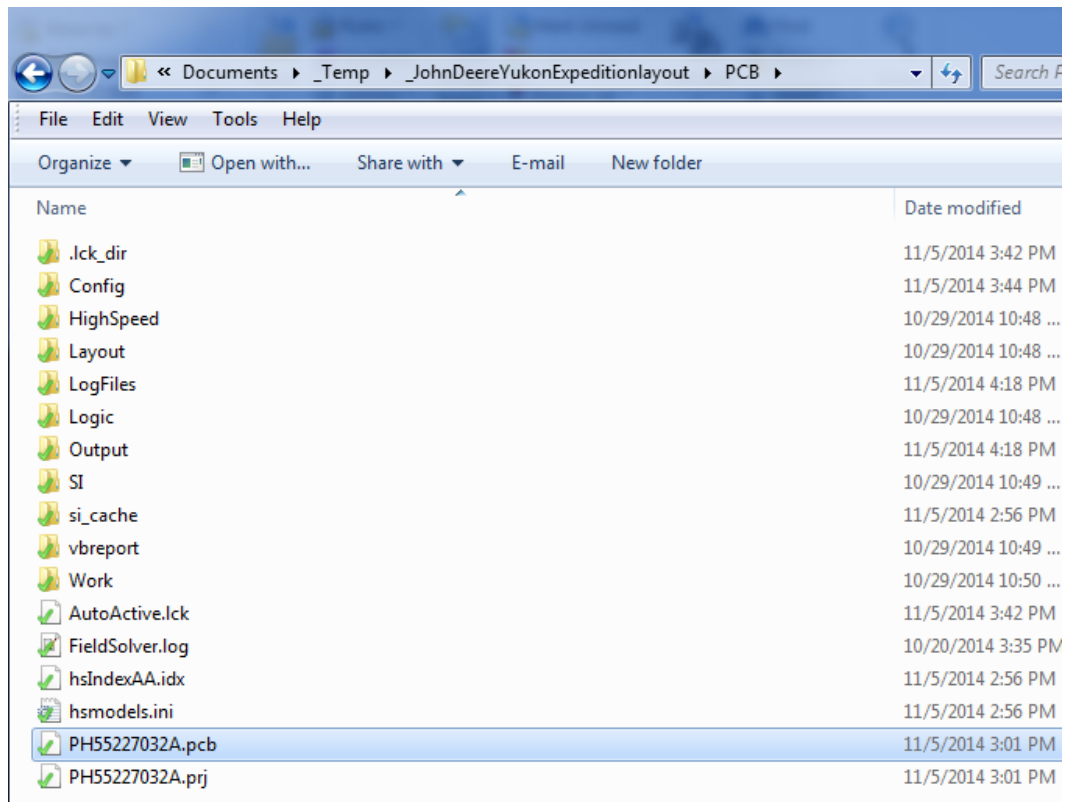
The CIBD file can be found in the PCB\Output\HLDRC directory:

Figure 6. File Directory



Xpedition does not provide the option to rename the file, so the file name matches the .PCB file name in the main directory:

Figure 7. File Name



There will be an Output\HLDRC folder where the .cibd file will be saved.