

Ultra Librarian – Gold Version

Zuken Process

June 21, 2016

The Partner For Success



High Level Process

1. Download and install Ultra Librarian Software
2. Select the component(s) to be downloaded
3. Export the ascii data and the 3D STEP model for the component(s)
4. Convert the ascii data to vendor-specific data
5. Merge the new component data into the existing library
6. QC and release



Detailed Process

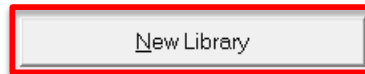


1. **Install** Ultra Librarian <http://www.accelerated-designs.com>

2. **Open** Ultra Librarian (CIS)

There are multiple methods to search for and load components. This example assumes that the Accelerated Designs Online Components will be used.

3. Select **New Library**



4. Select **Find Existing Components**



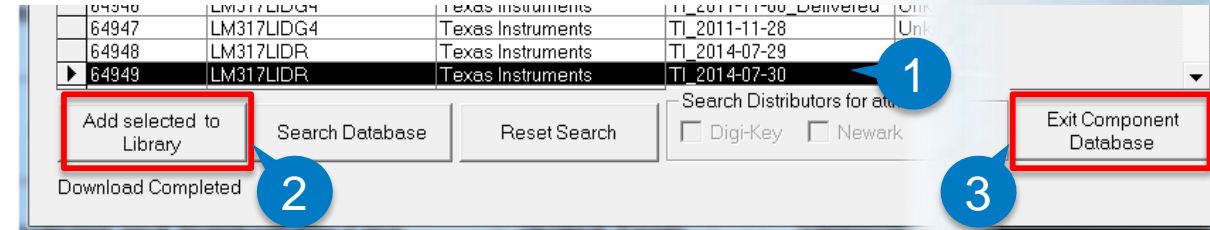
5. Select the **Accelerated Designs Online Components** option



Detailed Process

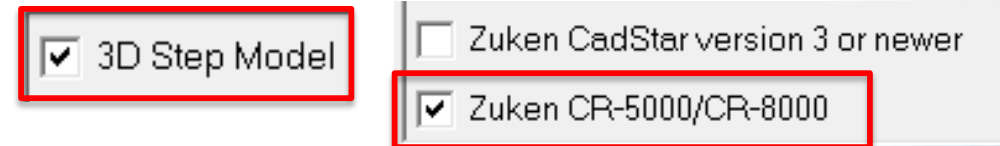


6. Select the component(s) to be downloaded, select **Add selected to Library**, then select **Exit Component Database**



7. Select **File -> Export Options**

8. Select both **3D Step Model** and **Zuken CR-5000/CR-8000**



9. Select **Export Entire Library**

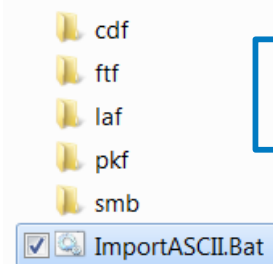


The Export log will detail the export path along with instructions on how to convert the ascii export data to the vendor-specific format

- All ascii files are exported to: C:\UltraLibrarian\Library\Exported\CR5000\\
- Step model is exported to: C:\UltraLibrarian\Library\Exported\STL\

10. Move or copy the Step model (the .stp file) to the proper folder within the Zuken library

11. Using Windows Explorer, navigate to the ascii export path



All folders contain ascii data, the exception being the smb folder which is an empty placeholder.

12. Run ImportASCII.Bat

1. Select **Components Manager** or **Components Editor** based on the installed environment
2. Select **System Designer** or **Design Gateway** based on the installed environment

The import routine will run with any errors output to the error-log.txt file

The part, package, and footprint will be created at the same level as the export path.

The symbol will be created in the smb folder.

13. Move or copy the symbol (the .smb file) to the proper symbol folder within the Zuken library

14. Open the symbol and add any company specific information

If Layer Mapping has been preconfigured please skip steps 15-19

Update the footprint layer mapping (assumes library access privileges)

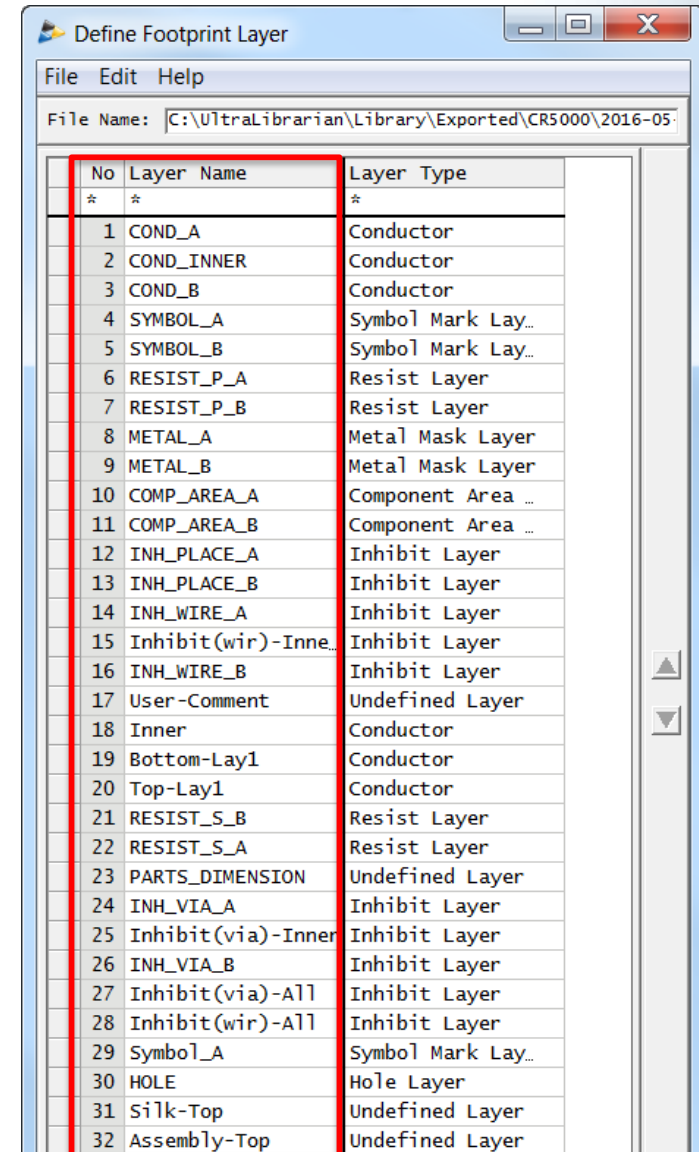
15. Open Components Manager or Components Editor

16. Drag-and-drop the .ftp from the export path onto Components Manager (or Components Editor)

17. Select Tools -> Define Footprint Layer

18. Change the Layer Names to company specific layer names and Save

19. Close Components Manager or Components Editor



Detailed Process



Merge the Part, Package, and Footprint into the Zuken library as follows: (assumes library access privileges)

20. Open Components Manager or Components Editor

21. Select Tools -> Compare Objects

22. Select Environment -> Compare Footprint Library

1. Set the **Reference Library** to the .ftp created in step #12
2. Set the **Destination Library** to the Zuken library .ftp
3. Set the **Output Object** to “Object having different contents...”
4. Select **Execute**
5. **Close** the Warnings

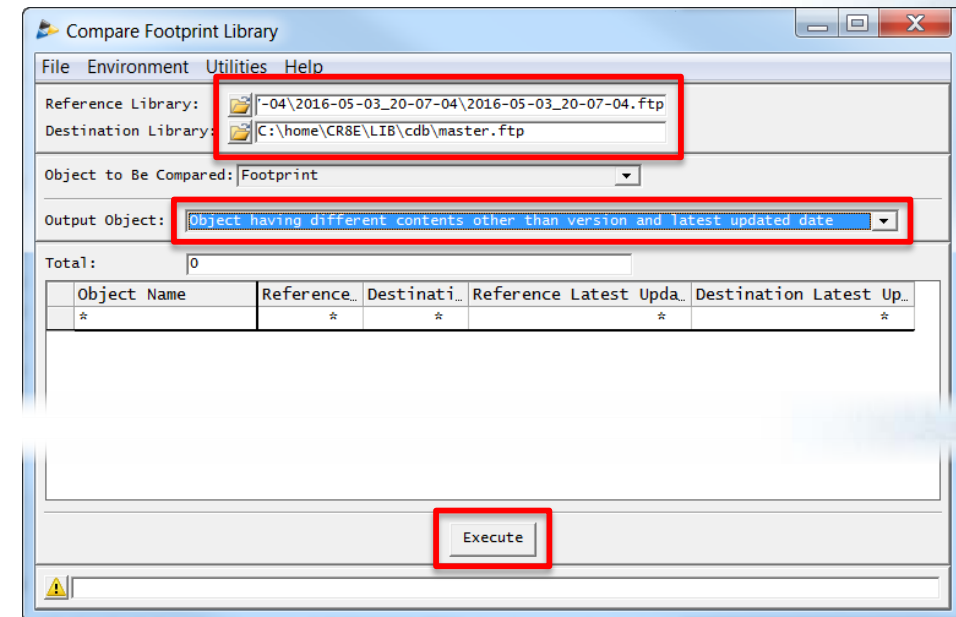
23. Select Utilities -> Transfer Objects to Copy CDB Library

The Copy Footprint Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

24. Select **Execute**

25. **Close** the Message Viewer

26. **Close** the Copy Footprint Library window



Detailed Process

27. In the Compare Footprint Library window select **Environment -> Compare Package Library**

1. Set the **Reference Library** to the .pkg created in step #12
2. Set the **Destination Library** to the Zuken library .pkg
3. Set the **Output Object** to “Object having different contents...”
4. Select **Execute**
5. **Close** the Warnings

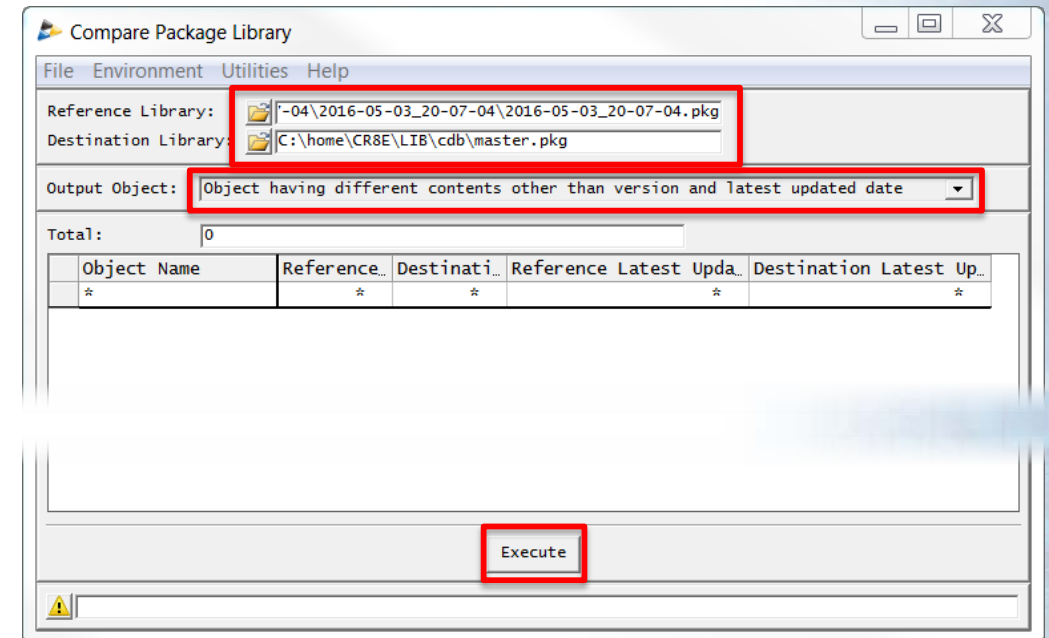
28. Select **Utilities -> Transfer Objects to Copy CDB Library**

The Copy Package Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

29. Select **Execute**

30. **Close** the Warning

31. **Close** the Copy Package Library window



Detailed Process

32. In the Compare Package Library window select **Environment -> Compare Part Library**

1. Set the **Reference Library** to the .prt created in step #12
2. Set the **Destination Library** to the Zuken library .prt
3. Set the **Output Object** to “Object having different contents...”
4. Select **Execute**
5. **Close** the Warnings

33. Select **Utilities -> Transfer Objects to Copy CDB Library**

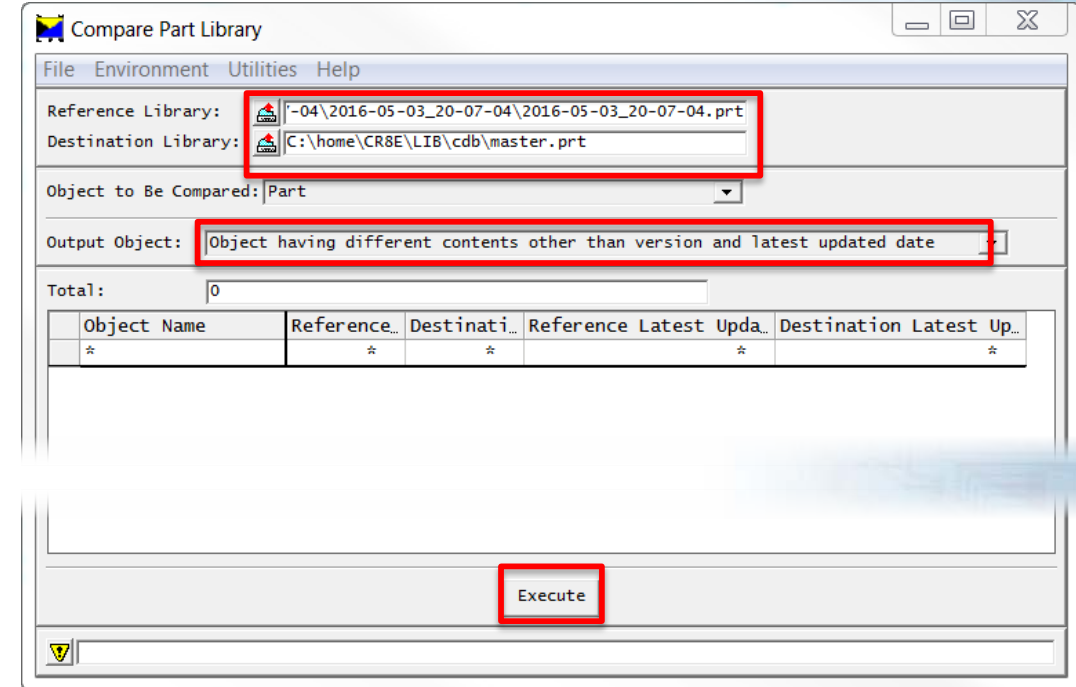
The Copy Part Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

34. Select **Execute**

35. **Close** the Warning

36. **Close** the Copy Part Library window

37. **Close** the Compare Part Library window



The new component(s) are ready to be checked and released