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## Cerberus™ v9.5 Software Enhancements

**Many of the listed Cerberus software enhancements  
were included by customer request**

### **Cerberus Suite**

- Model through-drill pipe applications by the inclusion of drill pipe sections in Well Editor.
- Filter imported Orion/OrionNET data to reduce the size, and to increase the speed, of Reel-Trak **(CT Fatigue only)**.
- Allow user to specify a subfolder when creating new items.
- Provide a scaled-image option in the Tool String Editor printout.
- Prevent overwriting of core fluids in the fluids database.
- Allow user to create customizable reports for fatigue jobs **(CT Fatigue only)**.
- Reduce PDF file size when using CTES PDF Generator.
- Allow combining of two BHAs (tool strings) into one.
- Allow Job Manager to filter out bad data from an imported Orion/OrionNET database **(CT Fatigue only)**.
- Allow tool length to be included in wellsite geometry to improve accuracy of fatigue location **(CT Fatigue only)**.
- Add ability to define custom sets of units of measure.

### **Orpheus™**

- Incorporate AGitator™ friction-reduction modeling functionality **(CT only)**.
- Add new hydraulics modeling options and provide additional information for existing options.
- Allow user to specify depth range for trip-in and trip-out calculations.
- Allow user to set default curve styles for Orpheus graphs.
- Increase accuracy with improved Stuck Point wizard process **(CT only)**.
- Allow user to change measured depth from Run at Depth graph.
- Allow user to disable RIH or POOH calculation.
- Add option to graph stress as a percentage of Yield strength **(CT only)**.

### **Hydra™**

- Improve the effect of roughness on friction pressure in coiled tubing **(CT only)**.
- Improve graphing features – zooming for graphs and printing on well diagram display screen **(CT, JP)**.
- Add optional drag reduction for polymers defined as a power law fluid **(CT, JP)**.
- Add help to resolve hydraulic modeling convergence problems **(CT, JP)**.

**Cerberus v9.5 is 64-bit compatible and now supports the Windows 7® operating system**

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### ***Attention: Cerberus Users with Current Licenses***

Licensed Cerberus users may download the current-version Cerberus software from the NOV CTES website.

#### **➤ To download Cerberus v9.5**

1. Obtain password information (see “To obtain password information or to renew a license”)
2. (Recommended) Back up all Cerberus-related data  
Select **Utilities > Backup & Restore > Backup Data Directory**
3. (Recommended) Uninstall earlier-version software
4. Navigate to the NOV CTES software download center:  
[http://ctes.nov.com/Software/download/Active\\_Customers.asp](http://ctes.nov.com/Software/download/Active_Customers.asp)
5. Select the appropriate company name to access the password-protected file

#### **➤ To obtain password information or to renew a license**

- Contact NOV CTES for assistance:  
+1 936 521 2200  
[CTESSales@nov.com](mailto:CTESSales@nov.com)

#### **➤ To obtain authorization (when prompted)**

- Click the online **Internet** button  
OR
- Email the authorization code to [CTESkeys@nov.com](mailto:CTESkeys@nov.com)