# EddyVision 6.3 Release Notes

### September 14, 2007

These release notes document all changes from Rev 6.2 to Rev 6.3.

**WARNING:** **OMNI-200 testers must be returned to CoreStar to have updated firmware installed prior to use with Rev 6.3.**

**WARNING:** **Projects and files created and/or modified with Rev 6.3 can not be read with earlier versions.**

## 1. General

1.1. Went back to supporting Win2K as well as WinXP.

1.2. Support for the Miz-18 tester has been removed. The HP SICL libraries are not longer included on the CD.

1.3. Each version now has its own list of recent projects. So when 6.3 is run, it will not automatically attempt to open the last project used with 6.2 or earlier.

## 2. Analysis

2.1. Tube messages displayed in the lower left part of the screen will now be color coded in the same colors as the dataset.

2.2. Fixed display of encoder values while acquiring.

2.3. Fixed import of Westinghouse history files.

2.4. Fixed bug in setup dialog where zeroing the coil offsets did not display correctly.

2.5. Miz27 data should now show the proper section.

2.6. New Anser data will use the channel ordering information in the Anser data file.

2.7. Export of reports to Anser CSV will now convert mix and filter channel names (eg M1, F1, etc) to a process channel name (eg P1, P2, …).

2.8. Fixed bug in editing report macros that caused it to become the current report.

2.9. In TLIST, if a cal does not belong to the current project, it will be displayed in yellow in the dropdown.

# 3. Acquisition

3.1. Removed RPC config dialog. RPC now takes a voltage and IR comp value. The calibration will automatically adjust the voltage until the nominal speed is reached.

3.2. Fixed bug where system would crash if encoders were being displayed after acquiring more samples than would fit in the circular buffer.

# 4. DBMS

4.1. You can now print a report.

4.2. Fixed bug in report upload where measurements were set even when not valid. They are now left at null.

4.3. Fixed bug where importing a map did not update the display.

4.4. Fixed a bug where table column titles did not update when doing a dynamic query.

4.5. Added a function, Project | Delete Temporary Files, to delete files in projects temp directory.

4.6. Added function, Edit Defect List, to edit the defect list in the report upload dialog.

4.7. Fixed a bug in the report conversion dialog where the COL field was actually displaying the row.

4.8. Added function, Edit | Defect List, to the report conversion dialog to edit the defect list.

# 5. MakeComp

5.1. Fixed a bug in auto computing section labels where it did not work if there was only a single section.

# 6. OMNI-200

6.1. Greatly improved dynamic gain algorithm. It no longer has any overhead and allows the delay to be greatly reduced.

6.2. Added hardware null.

6.3. Fixed bug in continuous mode where frequencies were not always integral multiples. This could cause a phase shift to accumulate over time between the frequencies.

6.4. Added support for an additional encoder bringing the total to 5. There are two from the pusher and 3 for the front-panel connector.

6.5. Improved probe balance firmware. It should not timeout at high sample rates and allows warm-up time to get a more accurate value.

6.6. Increased FIFO from 250 KB to 1 MB.

6.7. Added hardware null.

6.8. Added count of trigger errors. When using external trigger, it is possible that some triggers will be missed if they occur more often than the sample rate allows.

6.9. Added probe attached and probe changed to status tab.

6.10. Improved ref null to allow warm-up time and use balance results.

6.11. Read and display temperature of power bricks.

6.12. Added support for hi-speed RPC motor units.

6.13. Added support for Ghent probe.

6.14. Added encoder based triggering.

6.15. Increased OMNI-200 TCP timeout from 1 second to 3 seconds to accommodate slow hosts.

6.16. Fixed bug that limited max demods to 31 instead of 32 per timeslot.

6.17. Added feature to automatically turn off analog power when a probe is disconnected on tester-in-pusher units.

6.18. Removed calibration buttons ("Cal Mode", "Phase Inc", "Radius") since they are not needed.

6.19. The balance dialog now shows the color coding used for displaying dynamic gain values of OMNI-200. This is only shown if the Show Gains option is on in the OPTIONS dialog.

6.20. Fixed bug in IP Setup where message was sent twice.

6.21. Removed External Trigger option and created a dropdown with all three trigger modes.

6.22. Moved coil table to main tab and put tester coil to probe coil mapping in its own tab.

6.23. Moved RFT gains to a table.

6.24. Added a menu selection to Replicate Up in the slot number. This is useful for array probes.

6.25. Fixed a bug where Clear Config did not clear all fields.

6.26. Removed *View | Show Array* and *View | Show RFT Gains* menu choices.

6.27. Added display of slot number, gain and other values to scope display.

6.28. Added function to export tester gain calibration to a text file.


## 7. TrackDrive-200

7.1. There is a new trackdrive-200 firmware file that must be downloaded to the pusher.

7.2. You can now set the IP address of the pusher from the pusher configuration dialog.

7.3. Slip detect is now supported.

7.4. Added functions to independently enable/disable pressure and speed parts of slip detect.

7.5. Increased maximum speed from 100 in/sec to 120 in/sec.

7.6. Added display of torque, current, and various flags.

7.7. Added buttons to set the min, max, and increment for the pressure slip detect.

## 8. Rule Based Auto

8.1. Added ability to copy a category.

## 9. EddyAdmin

9.1. Removed motor unit table.

9.2. Added menu item to delete all files in the project's temp directory.

## 10. EddyVision SDK

10.1. The Virtex structures have been modified.

10.2. Removed the broadcast message that was sent whenever the tester was turned on or off. The tester can now be controlled via the controllib library functions.

10.3. Added support for TCP control library to acquisition. This allows an external process to control the EddyVision software to turn the tester on/off and acquire data.

## 11. Miscellaneous

11.1. Filter coefficients now print to 8 figures instead of 6.

11.2. Updated HASP key libraries to support Vista. CoreStar has not done any testing under Vista.

11.3. Fixed bug where system could not always find the MS WordPad editor to display certain text files.

11.4. Fixed help text for table windows.

11.5. Many internal changes.