EddyVision™ Rev 5.6
Release Notes
February 22, 2004

This document lists the cumulative differences between Rev 5.0 (i.e. Feb 11, 2003 build) and Rev 5.6.

1. Documentation

1.1. Added *EddyVision 5.0 Tutorial.doc* to the *docs* folder under the installation directory.

1.2. Added release notes to the *docs* folder.

2. HASP Keys

2.1. **IMPORTANT**: The eddyvision.key file must now be in the HASP directory under the installation (eg *C:\Program Files\CoreStar\EddyVision 5.6\HASP*). Previously, it was searched for in the *bin* and then, if not found there, the *HASP* directory. **This file is only needed for OMNI portable tester units and NetView**.

3. Projects

3.1. Leading and trailing spaces are stripped from project names when creating a new project.

3.2. Unused group numbers are compacted automatically when a *.cmp* file is loaded.

4. Lissajous Scaling

4.1. Shift+LB in the span label followed by Drag+LB in the lissajous scales without changing Y/X

4.2. Shift+LB in the span label followed by Drag+LB in the left expanded chart (ie below the lissajous) will do vertical scaling.

4.3. Shift+LB in the span label followed by Drag+LB in the right expanded chart (ie below the lissajous) will do horizontal scaling (it actually changes the span and vertical scaling to make it look like it is scaling horizontally).

4.4. Shift+MB in the span label will ask if you want to set Y/X back to 1:1.

4.5. Shift+RB in the span label no longer does anything.

5. Reports

5.1. Added plan name to reports and DBMS.

5.2. Got rid of the ReportView program.

5.3. Report now stores the lissajous points and center point used when a measurement was actually made and not when the report was added. Previously, if a user made a measurement and then moved the expanded chart lines, the measurements would not be properly displayed when using data recall.

5.4. Added *Bottom Rows* and *Dialog Rows* options to the *Report* tab in the OPTIONS dialog. These determine how many rows are displayed in the report at the bottom of the screen and in the full REPORT dialog.

6. Summary

6.1. Coil type labels are now three letters: *A* became *ABS*, *D* became *DIF*, *T* became *TRG*, and new labels are *ENC* for encoder, *TIM* for time channel, *T-R* for transmit/receive.

7. TLIST

7.1. TLIST monitor feature will no longer have gaps for files that were being written out or acquired whenever the polling occurred.

7.2. The TLIST looks for new files each time it is mapped.

7.3. Fixed a problem where the TLIST would take a very long time to appear if there were a large number of cals. This was especially noticeable over a network.

7.4. The correct title should display when changing data sets in the TLIST.

8. DBMS

8.1. Modified tube dialog (selected by double clicking on a tube) so that the *File | Print* menu prints the current tab.

9. DBMS - SQL and QUERY FILL Dialogs

9.1. Modified *.qry* files to include print format options. Old plain text *.qry* files will still be read in properly, but if they are stored they will become binary *.qry* files.

9.2. Removed the *Edit | Print Options* from the Query Fill dialog. This is now displayed as tabs in the main query window. The print margins have been moved to the *Edit | Options* dialog.

9.3. The header and footer editors display using the proper font and color, but the font size is left alone for better readability. It will still print out at the selected point size.

9.4. Editing options in the *Edit | Options* menu will be reflected immediately after hitting Ok instead of requiring exiting the dialog and mapping it again.

9.5. Macros in query print headers now print correctly.

9.6. The default Report Version header is now *CoreStar EddyVision [EDDYVISION REV]* so that it will display correctly in future revs.

9.7. Pressing the *EXPAND* button will show text with macros replaced. Releasing it will restore the template.

9.8. Added system macros for:

Macro	Description
[QUERY FILE]	Full query name (e.g. "*E:\queries\dents.qry*")
[QUERY NAME]	File part of name (e.g. "*dents*")
[QUERY RECORDS]	The number of records returned by the query.
[QUERY TOTAL TUBES]	The number of valid tube in the query results.
[EDDYVISION REV]	The current version of the software (e.g. "*5.3*")
[CUR MONTH NAME]	Full name of current month (e.g. "*September*").
[CUR MONTH ABBR]	Abbreviated name of current month (e.g. "*Sep*").

9.9. Moved the BACK/FORWARD menu items in Query Fill from the View to Edit menu. If the user edits and executes a query, the Ctrl+B and Ctrl+F can be used to move back and forward amongst the edited versions of the query.

9.10. Added *File | Recent Queries* list to SQL and Query fill dialogs.

9.11. Added quick query user buttons to SQL and Query fill. Hitting these buttons loads the given query AND executes it. The queries can be selected in the *Edit | Options* dialog in the *Queries* tab.

9.12. Added options in *Edit | Options | Editors* tab to select the number of lines in each of the header and footer editors.

9.13. The PARAM field of the query parameters will now automatically size to display the widest entry up to 60 characters.

9.14. Added *Edit | Clear Recent Queries* menu option.

10. DBMS - ISIS Import

10.1. Opening an ISIS databases will cause it to automatically be converted to CoreStar format. The ISIS tables are not modified in any way, but the appropriate CoreStar tables are added and populated. Users should nevertheless use backup copies of their ISIS databases for this purpose.

10.2. REPAIRS

The repairs conversion simply copies fields from the REPRDATA table to the repairs table as follows:

```
REPRDATA.TUBEQUAD -> sec
REPRDATA.TUBEROW  -> row
REPRDATA.TUBECOL  -> col
REPRDATA.REPRDESC -> repair_type
REPRDATA.PLUGTYPE -> type
REPRDATA.REPRISUD -> date_scheduled
REPRDATA.REPRCMPD -> date_completed
REPRDATA.HEAT1    -> heat1
REPRDATA.HEAT2    -> heat2
REPRDATA.FLAWLOC1 -> loc_land
REPRDATA.FLAWLOC2 -> loc_off
REPRDATA.REPROUT  -> outage
REPRDATA.NOTEPTR  -> comment
IDENT.SITE        -> site_code
IDENT.COMP        -> comp
```

Note: There is no `completed` field in EddyVision. If the `date_completed` is not NUL, it is assumed the repair was completed.

10.3. PLUGS

The `TUBEDATA` table is used to create two tubesets, IN and PL. The

tube_set_entry table is then filled in as follows for each 'PL' entry in TUBEDATA:

```
'PL'              -> name
TUBEDATA.PRIMEKEY -> entry_num
TUBEDATA.TUBEQUAD -> sec
TUBEDATA.TUBEROW  -> row
TUBEDATA.TUBECOL  -> col
0                 -> color  (i.e. black)
0x25CF            -> symbol (i.e. solid ball)
```

The IN tube_set is done similarly.

10.4. REPORTS

This is of course the main one. It cannot be done via a simple query and required a fairly complicated bit of code that I'll just outline. I query the EXAMDATA table and create a CoreStar report entry that is then uploaded like any other entry.

Some mappings are straightforward:

```
EXAMDATA.PRIMEKEY -> recd_num  (you can match up the ISIS -> report using this field)
EXAMDATA.TUBEQUAD -> sec
EXAMDATA.TUBEROW  -> row
EXAMDATA.TUBECOL  -> col
EXAMDATA.EXAIVOLT -> volts
EXAMDATA.EXAIDEG  -> phase
EXAMDATA.EXAIDEPH -> pcnt
EXAMDATA.EXAMCHAN -> chan
EXAMDATA.EXAMINDN -> defect
EXAMDATA.EXAMLEG  -> leg ('H' and 'T' mapped to 1, 'C' and 'O' mapped to 0).
EXAMDATA.EXAMOUT  -> outage
EXAMDATA.USRTEXT1 -> util1
EXAMDATA.USRTEXT2 -> util2
EXAMDATA.EXAMINSP -> plan  (this is a new field)
EXAMDATA.EXAMPERS -> analyst_id
EXAMDATA.EXAMOPER -> oper_id
EXAMDATA.EXAILOC1 -> loc_land
EXAMDATA.EXAILOC3 -> loc_off
EXAMDATA.EXAILOC4 -> to_off (if to_off is not 0, to_land is filled in with loc_land)
EXAMDATA.EXAMREEL -> cal_num  (strips all non digits and converts to an integer, so for
                  example, 'REEL #1 ' -> 1)
EXAMDATA.EXAMTECH -> probe_type
EXAMDATA.EXAMDEXT -> beg_test  (if the extent is 6 chars long, it puts first 3 in
                  beg_test and the next 3 in end_test)
EXAMDATA.NOTEPTR  -> comment
EXAMDATA.EXAMLOG  -> time
'PRI'             -> oper_type
IDENT.SITE        -> site_code
IDENT.COMP        -> comp_name
```

10.5. NOTES

10.5.1. All ISIS fields have the extra spaces stripped away before being converted.

10.5.2. The conversion leaves the ISIS tables unchanged. The user can continue to query on those as well.

10.5.3. It is not unusual for ISIS fields to have erroneous information in them. There is no way for EddyVision to automatically correct for this. The user may need to take steps to clean up the database prior to conversion.

11. Anser 2003 Data Format

11.1. Added support for Anser 2003 data format. The New Anser format will read New Anser and Anser 2003 formats.

11.2. If the .kaf file exists, it will be used instead of the TAPE.INDEX to extract summary information.

11.3. *wordpad.exe* is now included in the install to display the raw .kaf files.

12. Test

12.1. In the Test OPTIONS dialog, setting Persist to a nonzero value will turn off data accumulation in the lissajous during acquisition. The larger the number for Persist, the more points will be drawn.

12.2. In the same dialog, if you turn on Use Grid, it will draw the grid in the lissajous during acquisition.

12.3. The auto-locate and auto-analyze options in TLIST OPTIONS should now work correctly.

12.4. Fixed issue where editing the screens could cause a plan to be cleared.

13. AutoLocate

13.1. Added back the ability to locate tube ends based on simple thresholds. If the tube end channel in the Tube Ends frame is set to OFF, the pattern recognition method will be used. Otherwise, thresholds will be used.

13.2. Added ability to clear entire training set using *Edit | Clear Training* menu option.

14. Miscellaneous

14.1. Fixed RPC bug that caused system to crash if a short tube was read after a long tube.

14.2. Numerous small internal changes.

14.3. Added some options to the Balance Dialog.

14.4. F9 key now shows the X,Y value at the current data point.

14.5. Probe size in lookup tables is shown in mills.

14.6. If Volts is set to 0.0 in when setting volts, it will put the scale back to 0.01.

14.7. In increment fields, users have always been able to use Shift-LB and Shift-RB to increment by 10 times the defaults. They can now in addition use Ctrl-LB/RB to increment by 100 times and Ctrl-Shift-LB/RB to increment by 1000 times.

15. Contacts

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