

## **NeuroShell Day Trader improvements.**

**Total Added: 57**

**Total Dropped: 6**

### **Features:**

1. Settings link feature that allows the parameters of different indicators to link to a single parameter entry and mirror the value. This needs to be supported in the optimizer as well. This might also be an extension of variable use and ability from a language.

Added – June 22, 2002

3. Allow the Trading strategy to optimized the synchronized logical common sense pattern of Long and Short trades for all trading styles. Option to force trading style rules to be used during optimization. Example: Close all trades at the end of the day or only re-optimize after 2 consecutive losing trades.

Added – June 22, 2002

Changed – July 1, 2002

Changed – August 27, 2002

4. Allow the option for priority of trade to be set entry, exit or stops.

Added – June 22, 2002

5. Developing a BASIC / Trade Expression Language for NeuroShell.

Added – June 22, 2002

13. Programmable Optimization objectives. Ability to program the optimization objective with improved and expanded settings and/or out side indicators. This would provide for “Guided Optimization” by marking all the desired trade locations either manually, programmatically, or with an indicator, which the optimizer should try to achieve using the inputs. This ability to program the optimization objective also includes standardizing the optimization process features between the Trading Strategy Wizard and the Prediction Wizard. This is to mean that the any current additional features in either wizard that are found missing from the other wizard should be incorporated into the other. Example: Multiple walk forward tests for the Trading Strategy, sharing all optimization objectives between the two, Optional Long and Short side inputs for the Prediction Wizard.

Added – June 22, 2002

Changed – July 22, 2002

Changed – July 23, 2002

15. Allow cut and paste of indicator formula. This should include the results of an optimized indicator. Or allow it to be created as a new indicator.

Added – June 22, 2002

18. Allow stocks to overlay inside a chart and allow linking of charts

Added – June 22, 2002

21. Different Time frequency/compressions on one chart. Ability to select any time frequency/compression size desired within the time increment chosen.

Example: Seconds, Minutes, Hours, Days, Weeks, Months.

Added – June 22, 2002

Changed – July 1, 2002

Changed – July 8, 2002

25. Share size rounding for block trading (10,100, 1000) in the prediction and trading strategy wizards.

Added – June 22, 2002

26. Save predictions/strategies for use in other charts.

Added – June 22, 2002

27. Open Interest values when using quote.com

Added – June 22, 2002

28. The ability to get overnight sessions from quote.com

Added – June 22, 2002

29. Give Alerts ability to be saved

Added – June 22, 2002

32. Special handling of futures contracts for month-to-month roll-on effect.

Added – June 24, 2002

37. Allow the Tick Data of the current bar to be used in a chart rather than only viewing it.

Added – July 6, 2002

38. Allow the option to select indicators or stocks in the chart to be excluded from any optimizations.

Added – July 6, 2002

39. Ability to create a chart with an indicator as the primary data series, replacing any symbol data series of a stock. The optimizations and trading strategies will be based on the indicator and results determined on the indicator, not the stock the indicator is based on.

Added – July 6, 2002

43. Optimization scheduler that allows optimizations to be scheduled to start (5:00pm or Now!) and limited by a time out setting that allows a maximum

amount of time (5 mins) or a time dead line (11:56 pm) to stop the optimization process and return current results.

Added – July 11, 2002

46. Ability to load and unload data files or templates without dropping and restarting NeuroShell.

Added – July 15, 2002

Changed – August 28, 2002

48. Trading Calendar indicator to indicate short holiday schedules, season schedules, and any other schedule desired.

Added – July 22, 2002

57. Ability to use common trading indicator for pair, spread, and single issue trading where the parameters can be optimized.

Added – September 8, 2002

### **User Interface:**

2. Produce the exact optimized parameter settings for a Re-named input in the final report. List/export a number of top genetic solutions. This would give a tree view print out of the formulas used and indicator combinations chosen.

Added – June 22, 2002

Changed – July 1, 2002

Changed – July 11, 2002

6. Graphing of the grid of prices and/or time across the chart in lite gray color.

Added – June 22, 2002

7. Arrange the Insert Existing Data/Calculations window popup in alphabetical order. Make this into a menu picker on the right as part of the Snapshot View that will allow you to just pick current indicators and drag them to the chart rather than Hide/Unhide Data... or allow you to drag indicators off the chart.

Added – June 22, 2002

8. Place the name of each indicator in the chart window associated with it and expand the top portion for more chart area.

Added – June 22, 2002

9. Allow the size of each chart area to be adjusted by dragging up or down.

Added – June 22, 2002

10. Allow more than 6 charts.

Added – June 22, 2002

12. Allow for more colors in the color bar.

Added – June 22, 2002

16. Improved graphics for the overlay of one indicator on top of another that would keep all indicator signals present and visible as the scale of the chart zoomed out to larger time frames in the window.

Added – June 22, 2002

20. Trend lines. The ability to draw straight trend lines on the screen with an indicator

Added – June 22, 2002

23. Ability to drag indicators between charts.

Added – June 22, 2002

24. A “Hide All” feature in the advanced area to allow fast hiding of indicator inputs when building a tpl.

Added – June 22, 2002

33. Trailing Stop performance information in the Detailed Analysis report.

Added – June 24, 2002

35. Formula based money management -- allow definition of risk per position and in a portfolio and allow positions with variable shares/contracts to be opened. Allow positions to be added to or subtracted from algorithmically. Ability to bypass a trade if the risk parameters were unacceptable. Allow more than one entry into a position before an exit is required. Permit several entry positions to be taken assuming the repetition of the entry rules prior to an exit or reversal-taking place. Second, permit the program to allocate your trading capital to the first x stocks out of x+y stocks you are tracking in the chart.

Added – July 1, 2002

Changed – August 28, 2002

36. Auto scaling of indicators to the display windows allowing indicators of different numerical size to be proportioned to each other on different ranges. This would display two or more numeric scales on the right side according to the color of the indicator.

Added – July 2, 2002

40. Cumulative (ALL INSTRUMENTS) performance results of all issues being used, given in the Trading Strategy Results Summary along with the average which we already have.

Added – July 6, 2002

41. Ability to display and use different Trading Strategy parameter values for multiple stocks and/or futures in the same chart.

Added – July 8, 2002

42. Printouts should include the Date Time Stamp and File Name at printing.

Added – July 11, 2002

45. Graphical reports of the equity, Drawdown and other statistical progressions in the Trading Strategy detailed summary and analysis.

Added – July 15, 2002

47. Option to set total number of most recent files in File menu.

Added – July 15, 2002

49. Additional viewing selector. This would be a drop down next to the Frequency drop down selector. It would scale to the frequency and give you predefined zoom levels: Example 10 min, 20 min, 30 min, 1 hour, 2 hours, 3 hours, etc... 1 Day, 2 Days, 3 Days etc... rather than zoom.

Added – July 23, 2002

50. Additional option in the options screen to set the default, “Don’t update chart while updating/backtesting” so that it is always checked.

Added – July 24, 2002

51. Replace Settings button. I need a button that will take the optimal settings and write them back into the parameter fields in all the indicators that were optimized so that I can turn off optimization and back test the optimized settings.

Added – July 24, 2002

55. Default settings for all the trading parameters.

Added – September 8, 2002

56. Printed manual with more expressive descriptions as compared to the help files.

Added – September 8, 2002

### **Performance/System:**

30. Set increment size for the value range being checked in the optimizer.

Added – June 22, 2002

Drop is pending further investigation – July 15, 2002

31. Multiple processor ability for improved speed and performance.

Added – June 22, 2002

53. Automatic bug or error reporting system that sends all issues to Ward Systems.

Added – August 8, 2002

54. Automatic version updating system that sends current fixes for bugs or new versions down to users and automatically installs them.

Added – August 8, 2002

**Bugs:**

11. Clean up the set focus event on the top tool bar so that clicking twice is not required.

Added – June 22, 2002

52. Incorrect currency formatting of Profit value in the data grid of the Trading Summary window. It is missing the comma.

Added – July 26, 2002

14. Dropped – July 1, 2002. Vague. It was one of mine.

17. Dropped – July 1, 2002. Vague. It was one of mine.

19. Dropped – June 22, 2002. Already in the trader. Look very closely.

22. Dropped – July 1, 2002. Actually part of another feature.

34. Dropped – July 1, 2002. Actually part of another feature.

44 Dropped – July 22, 2002. Actually part of 13.