

# Products from ESB Consultancy

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## For Microsoft .NET Framework

### ESBPCS <sup>TM</sup> for .NET

**ESB Professional Computation Suite (ESBPCS)** is a huge collection of classes and components aimed at making Data Entry & Manipulation easier for the developer and their customers. ESBPCS for .NET is developed in C# but includes Demos for Visual C#, Visual Basic.NET, Borland C# Builder and Borland Delphi 8.

*The above item is still in development.*

Keep Watching:

<http://www.esbpcs.net>

### ESBDecimals <sup>TM</sup> for .NET

This is a free subset of **ESB Professional Computation Suite (ESBPCS)** that provides classes that extend the Decimal Data Type to make it far more useful for Financial, Scientific and Mathematical uses.. ESBDecimals for .NET includes full C# source and includes Demos for Visual C#, Visual Basic.NET, Borland C# Builder and Borland Delphi 8.

*The above item is still in development.*

Keep Watching:

<http://www.esbpcs.net>

## For Borland VCL & Win32 Development

### ESBPCS <sup>TM</sup> for VCL

**ESB Professional Computation Suite (ESBPCS)** is a collection of over 6000 routines/methods and over 150 classes/components in over 1000 units for Borland Delphi 5, 6 & 7 and C++ Builder 5 & 6, which are aimed at making Data Entry & Manipulation Easier for the Developer and their clients.

**Our components are designed to do more of the work for you.**

Powerful Data Specific **Edit and DbEdit controls** with:

- Alignment which maintains whilst Editing
- Read Only Colouring
- On Focus Colouring
- Disabled Colouring
- Positive/Negative Colouring where appropriate
- Flat Option with Mouse Over Effects
- Line Edit Option.
- A plethora of data specific properties and methods make using MaskEdit a thing of the past.

**Edits** include – “Plain” Edit, Positive Integer Edit, Integer Edit, Positive Float Edit, Float Edit, Scientific Float Edit, Percentage Edit, IP Address Edit, Hexadecimal Edit, Complex Number Edit, Fraction Edit, Date Edit, Time Edit, Year Edit, Date/Time Edit, Month Edit, Day of Week Edit, and Currency Edits.

We also have **CalcEdits** that join Float Edits with our Popup Calculator, which can also be used as a Component by itself. Calendar Edits, known as **CalEdits**, join Date Edits with our Popup Calendar which includes Holiday control.

**SpinEdits** are included with all the above Edit Features for Integer, Floats, Years, Month and Day of Week.

**Vector & Matrix Edits** are included to allow easy entry and display of Vectors and Matrices.

**ComboBoxes** include many of the above edit features including optionally being “Flat”. ESBPCS also supplies “filled” ComboBoxes for Months, Day of Week, European Currencies, Time Zones and Country details. These also include data specific methods and properties.

**CheckBoxes** that have the Enhanced Colourings and features of ESBPCS are included as are **RadioButtons**.

**GroupCtrls** such as **RadioGroups** and **CheckGroups** are included which allow enhanced control of spacings, appearance and colours. Also individual items can be disabled.

**Labels** include the ability optionally have a “raised” or a “sunken” look, as well as to become “hot” when the Mouse passes over. Specialised Labels also developed for URL’s; displaying of Math Formulae; and displaying of Date & Times with Time Zone Info.

**Non Visual Components** include the aforementioned Calculator & Calendar plus Unit Conversion, Descriptive Statistics, Hypothesis Analysis & Linear Regression.

Our ever-growing **Huge Routine Collection** covers:

- Extended Currency Types & Manipulation
- Date & Time Manipulation
- Trigonometry
- Statistics
- Linear Regression
- Probability Distributions
- Special Functions
- Optimised Math
- Vectors & Matrices
- Equation Solving
- Fractions
- Business Math & Accounting
- Complex Numbers
- Geometry
- Unit Conversions
- Misc File and Registry Operations
- Plus much more!

**Data Aware Versions** - most of the components have Data Aware versions and we are working on more. These components allow formatting from the control rather than playing with Field Settings or Masks.

Grab a Trial Version and Check out the Demos at:

<http://www.esbpcs.com>

## **ESBPCS™ “LITE” for VCL**

This is a “reduced” and hence more economical version of **ESBPCS**. The main difference is that the “Lite” version does not include the Data Aware Components and Routines.

Grab it from:

<http://www.esbpcs.com>

## **ESBPCSMathLib for TAdvSpreadGrid**

**ESBPCSMathLib** is a plug-in for **TMS Software's TAdvSpreadGrid** – which is a superb Grid those offers Spreadsheet like functionality. It adds 71 Constants and 68 Functions to TAdvSpreadGrid. Plus ESBPCSMathLib is freely available to all users of ESBPCS and TAdvSpreadGrid. It includes full Source .though ESBPCS and TAdvSpreadGrid required to recompile it.

Grab it from:

<http://www.esbpcs.com/mathlib.html>

TMS Software: <http://www.tmssoftware.com/>

## **ESBPCS Edit Links and Inspector Links for TMS Products**

**ESBPCS Edit Links and Inspector Links** are allow ESBPCS components to be used in TMS Grids and TMS Inspectors.

Grab them from:

<http://www.esbpcs.com/editlinks.html>

TMS Software: <http://www.tmssoftware.com/>

## **ESBPCS <sup>TM</sup> Free for VCL**

This is a free subset WITH SOURCE of ESBPCS containing Mathematical Routines, Date/Time Routines, String Routines and a subset of Edit Controls including our Numeric Edits.

Grab it from:

<http://www.esbpcs.com>

## **ESBPCS <sup>TM</sup> Free for CLX**

This is a free subset WITH SOURCE of ESBPCS containing Mathematical Routines, Date/Time Routines, String Routines and a subset of Edit Controls including our Numeric Edits.

Grab it from:

<http://www.esbpcs.com>

## **For Nevrona's RAVE**

### **ESBPCS™ for .RAVE**

This is a set of components and property editors that work in the RAVE IDE, aimed at making Data Presentation easier in your reports.

It includes components to better display Numbers, Dates, Times, Currency Values, IP Addresses and much more.

*The above item is still in development.*

Keep Watching:

<http://www.esbconsult.com/raveaddons>

### **ESBTools™ for .RAVE**

This free add-on supplies a popup calculator to the RAVE IDE and supplies a new RAVE Component to use different font colours depending on positive/negative.

Grab it from:

<http://www.esbconsult.com/raveaddons>

### **ESBRaveViewer**

This free tool allows you to view and print RAVE NDR Files.

Grab it from:

<http://www.esbconsult.com/raveaddons>

## Math & Stats Applications

### ESBPDF Analysis <sup>TM</sup>

Provides everything needed for using Discrete & Continuous Probability Distributions in a single application. Most Tables and supplied functions (such as in MS Excel) give  $P(X \leq A)$  and using algebra other results can be found whereas **ESBPDF Analysis** handles all the Probability combinations for you.

Features include: Binomial, Poisson, Normal, Exponential, Student t, Chi Squared and F Distributions; Inverses of the Normal, Student t, Chi Squared and F Distributions; Lists of Binomial Coefficients, Factorials, Permutations; Fully Customisable; Integrated Help System which includes a Tutorial.

We also plan on adding many more Distributions and features. **ESBPDF** is ideal for the Math/Stats Student who wishes to understand Probability Distributions better, as well as the Math Buff who wants a well-designed calculating tool.

V2 due First Quarter, 2004

Fully Functional Trial version available from our web site:

<http://www.esbpdf.com>

### ESBStats <sup>TM</sup>

Statistical Analysis & Inferences in MS Office 97/2000/XP style Environment.

- Single, Dual (paired and unpaired) and Multiple Data Analysis.
- Data can be either for Sample or Population
- Data can be Time Based
- Data can be entered as Raw Data; Grouped Data; or as Summary Data
- Raw Data can be converted into Grouped Data
- Raw Data can have in-built Transformations applied to them
- Raw Data can have Custom defined Transformations applied to them
- Raw Data can have Random values meeting user defined criteria
- Data can be fully documented and stored in DataLists
- Standardisation of Data around given mean/standard deviation
- - DataLists are grouped together in Workbooks - one Workbook is opened at a time and can contain many DataLists
- ESB Statistical Workbooks (.esw) are Compound Documents like MS Word Documents and MS Excel Spreadsheets, thus they support the same properties in Explorer.
- Sample Size calculations
- Random Sampling Lists
- Statistical Summary including: mean, median, mode, variance, standard deviation, kurtosis, skew, etc.
- Comparison of Statistics for Raw and Grouped of the same Data.

- Graphs and Charts including: Histograms, Line Graphs, Pie Graphs, Ogives, Scatter Diagrams, etc
- Inference and Hypothesis Analysis of a Single Population - including the Mean, the Variance and Proportions.
- Inference and Hypothesis Analysis of Two Populations - including Difference of the Mean, Ratio of the Variance, Difference of Proportions.
- Linear Regression with Transformations of the dependent variable
- Multiple Regression with Transformations of the dependent variables
- Custom defined Transformations for Dual Data and Multiple Data Analysis
- Moving Averages
- Trend Analysis of Time Series Data
- Curve Fitting - calculation of polynomials and splines
- Data Import and Export to Text, Comma Delimited and Tab Delimited
- Data Import and Export to Excel
- Data Import and Export to DBF
- Saving of Charts and Graphs to BMP, WMF, EMF and JPG
- Saving of Summaries to RTF
- Sophisticated Reporting with Previewing
- HTML Output for integration into your Website
- Integrated Scientific Calculator also available as standalone
- Documentation Fields include Live Spell Checking like in MS Word
- Spell Checking and Thesaurus available on all Edit Fields
- Fully customisable interface
- Fully Integrated Help System
- On-line Tutorial

Available in 2 Editions: Lite and Standard

V2 due First Quarter, 2004

Fully Functional Trial version available from our web site:

<http://www.esbstats.com>

## **ESBCalc™ Pro**

A powerful **Scientific Calculator** that includes everything that the Freeware Calculator plus printing, enhanced paper trail, custom constants, online help and improved customisation. . This version is also updated more frequently, has more conversions and many more features.

Grab trial version from:

<http://www.esbcalc.com>



## **ESBCalc™**

A powerful **FREEWARE Scientific Calculator** that uses Infix notation and supports many functions including Trigonometry, Hyperbolic Functions, Logarithms (Base 10, Base 2 and Natural), and much more.

Grab a copy from:

<http://www.esbcalc.com>

## **ESBUnitConv™ Pro**

A powerful **Unit Conversion Utility** that includes everything that the Freeware one does plus printing, a log of conversion, saving conversions, online help and improved customisation. This version is also updated more frequently, has more conversions and many more features.

Grab trial version from:

<http://www.esbcalc.com>

## **ESBUnitConv™**

**ESBUnitConv** is a user-friendly Win32 FREE Utility to easily convert between units of measurement. Includes Units for Temperature, Distance, Mass, Area, Volume, Pressure, Velocity, Acceleration, Force, Energy, Power, Fuel Consumption, Flow and Torque.

Grab a copy from:

<http://www.esbcalc.com>

## **ESBCalc™ Pro Suite**

This includes **ESBCalc Pro**, **ESBUnitConv Pro** and other calculators.

Grab trial versions from:

<http://www.esbcalc.com>

## **New Calculators for 2004**

- Programmer's Calculator
- Complex Number Calculator
- Plus some small freebies for Registered Users.

## **More Info:**

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