

# Products from ESB Consultancy

As of 25 January 2007

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## For Borland VCL & Windows Development

### ESBPCS™ for VCL

**ESB Professional Computation Suite (ESBPCS)** provides a huge collection of Routines and Components to make Data Entry and Manipulation easier for both Developers and their end-users.

This is a collection of over 6000 routines/methods and over 235 classes/components in over 140 units for Borland Delphi 5, 6, 7, 2005/Win32 and 2006/Win32, Borland C++ Builder 5, 6 and 2006, Turbo Delphi Pro for Win32 and Turbo C++ for Win32 which are aimed at making "*data entry and manipulation easier*" for Developers and their Customers.

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

Components included cover Integer Edits, Float Edits, Hex Edits, IP Address Edits, Percentage Edits, Date Edits, Time Edits, Date/Time Edits, Month Edits, Time Edits, Complex Edits, Fraction Edits, Currency Edits, Calculator Edits, Calendar Edits, Button Edits, Comboboxes, Month Comboboxes, Day of Week Comboboxes, Time Zone Comboboxes, Country Comboboxes, Duration Comboboxes, SpinEdits, Month SpinEdits, DOW SpinEdits, Duration SpinEdits, Currency SpinEdits, Vector Edits, Matrix Edits, Calculators, Calendars, Statistical Analysis, Labels, URL Labels, Math Labels, Checkboxes, RadioGroups, CheckGroups, Memos, RichEdits and much more. As well, there are Data Aware versions of most of them.

Routines included cover Mathematics, Probability, Statistics, Complex Numbers, Fractions, Physics, Geometry, Astronomy, Longitude/Latitude, Unit Conversions, Strings, File IO, Registry, Financials, Country Lists, Holidays, Time Zones, Dates and Times, and much more.

This includes full source to all components.

Grab a Trial Version and Check out the Demos at:

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

## **ESBPCS-Lite™ for VCL**

This is an ideal solution for those who want the full power and range of components / routines in **ESBPCS** but do not have any need for Data Aware components nor Data Aware Routines.

This also doesn't include the Source to the **ESBPCS Installer**.

**Note:** All Subsets include full source for the units and components that are included.

More Info at:

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

## **ESBPCS-Calcs™ for VCL**

If you are mainly interested in the Calculators, Unit Conversions, Fractions and Complex Numbers then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Calculators and Conversions.

Data Aware versions are included in this subset.

**Note:** All Subsets include full source for the units and components that are included.

More Info at:

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

## **ESBPCS-Dates™ for VCL**

If you are mainly interested in the Calendar and Date Related Components and Routines then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Calendars and Dates.

Data Aware versions are included in this subset.

**Note:** All Subsets include full source for the units and components that are included.

More Info at:

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

## **ESBPCS-Stats™ for VCL**

If you are mainly interested in the Statistical, Matrix and Vector related Components and Routines then this subset is probably what you are after. Like the other subsets it includes an impressive range of components and routines in addition to those related to Statistics, Matrices and Vectors.

Data Aware versions are included in this subset.

**Note:** All Subsets include full source for the units and components that are included.

More Info at:

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

## **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 additional Constants and 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.esbconsult.com/esbpcs/tmsaddons.htm>

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

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

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

Grab them from:

<http://www.esbconsult.com/esbpcs/tmsaddons.htm>

TMS Software: <http://www.tmssoftware.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/esbtools.htm>

### **ESBRaveViewer**

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

Grab it from:

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

## 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 Borland Delphi for .Net.

*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 for .NET.

<http://www.esbpcs.net>

We will be adding Net 2.0 support in 1<sup>st</sup> Quarter 2007.

## 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.

With v2, ESBPDF also has Graphing, more Information about the Distributions, improved UI and much more.

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.

Fully Functional Trial version available from our web site:

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

### 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

Fully Functional Trial version available from our web site:

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

## **ESBCalc™ Pro**

A powerful **Scientific Calculator** that includes everything that the Freeware Calculator plus printing, enhanced paper trial, 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.esbconsult.com/esbcalc/esbcalcpro.htm>



## **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.esbconsult.com/esbcalc/esbcalc.htm>

## **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.esbconsult.com/esbcalc/esbunitconvpro.htm>

## **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.esbconsult.com/esbcalc/esbunitconv.htm>

## **ESBCalc™ Pro Suite**

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

More Information from:

<http://www.esbconsult.com/esbcalc/suite.htm>

## **Calculators in Production**

- Programmer's Calculator – Due Feb 2007
- Financial Calculator – Due 2<sup>nd</sup> Quarter 2007
- Complex Number Calculator – Due 3<sup>rd</sup> Quarter 2007
- Plus some small freebies for Registered Users.

## **More Info:**

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