

## BowTieXP Comparison Chart (Standard with Advanced)

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- This document provides a guide on the various features and functions of the software. Please contact us for more details or if a trial is required.

GENERAL			
Features	STD	ADV	Function
Create and Edit Bowtie Diagrams	✓	✓	Allows creating a complete bowtie diagram using the all the elements (steps).
Bowtie Groups	✓	✓	Create a BowTie Group (hierarchy) that enables to categorise and/or segregate bowties in to various groupings or locations using custom headings/names.
Change Language	✓	✓	Allows user to change to various interface & terminology languages.
Risk Matrices (Create & Edit)	✓	✓	Create, add, remove, edit and customise your own risk matrix for use within the bowties. It includes Inherent and Residual risk scores for Consequences and the Top Event.
Action Register	✓	✓	A complete action register is built in for capturing action details. It flags actions as a post-it note. It is useful for corrective actions or reminders. Various colour settings can be used to show visually define the priority.
Lookup Tables (Basic)	✓	✓	Create, add, remove, edit and customise your down-down list data, look up colours and rearrange the order of the drop-down list. It is useful for analysis and visual communication when reporting using bowties.
Lookup Tables (Advanced)	✗	✓	It includes all of the basic level features. In addition it allows look up tables data/values to be imported via excel. It is easy to import large volumes of data which otherwise have to be manually entered in the Standard version. (E.g. job titles, document library etc.).
Import Entities (Basic)	✓	✓	It allows you to import the basic bowtie elements such as Display Profiles, Treeview Filter Profiles, Risk Matrices, Treeview Tool Tips and Type & Property Descriptions from other BowTieXP case files. This feature enables easy transfer of information without losing integrity of information.
Import Entities (Advanced)	✗	✓	It includes all of the basic level features. In addition, it allows full import from other BowTieXP files (including Lookup Tables – e.g. Activities, Effectiveness tables, Job Titles, etc., The meta-data in the tree view can also be imported and provides a greater scope.
Copy, Cut, Paste & Paste Special	✓	✓	Allows reorganising bowtie case file (controls, activities, etc.) without losing the internal links. Essentially, if it is "Cut & Paste" or "Copy & Paste" whilst retaining links.
Colour Settings for Barriers/Controls	✓	✓	The colour settings enable a unique method to display or report on risk information. For example it can be set to display Control Effectiveness, Control Type, Criticality etc., from the user's own range of values and colours. This can be viewed in the colour legend.
Bowtie elements (Colour settings for bowtie elements)	✓	✓	The colour settings enable to display the threats (causes); consequences (outcome) or Escalation Factors (defeating factors) based on its uniqueness. For example it could be the frequency of a threat, the type of consequence or the escalation factor.
Screen layout (user defined)	✓	✓	Users can create their own screen settings when working on bowtie files with either a single or dual monitor screens. This is particularly beneficial when two monitors are used. The settings are saved as a .btl file.
Show Extra Information <ul style="list-style-type: none"> <li>• Hazard &amp; Top Event display</li> <li>• Threat display</li> <li>• Control display</li> <li>• Consequence display</li> <li>• Defeating factor display</li> </ul>	✓	✓	Each step of the bowtie diagram has a range of attributes that can be captured and displayed or hidden in multiple layers.  The information in text form, codes or colours, can be selectively displayed underneath each key element (e.g. hazard, control, threat consequence etc.,) It can include active document links and works with as word, pdf, excel documents links and also URL links.
Saving diagrams as Images	✓	✓	Bowtie diagrams can be easily saved images and has portability to use in other programs or to send via emails (E.g. .png, .tif, .jpg, .bmp).
Copy to clipboard	✓	✓	This feature enables copying the current display from the diagram window to a clipboard, and then paste it into other documents such as word, power-point, emails etc., The diagram will be copied to clipboard as a vector file, which maintains a high quality image, even when reducing or increasing the image size.
Export to Visio	✓	✓	The diagrams are easily exported to Visio. It produces high definition graphic images for reproduction purposes.
Printing Diagrams	✓	✓	Diagrams can be directly sent to a printer, run as a report to print, or copy and pasted to a separate document for printing.
Changing fonts	✓	✓	The fonts in the case file can be resized and adjusted to suit. This includes all the diagrams general fonts, the extra info fonts, look up Treeview fonts and case overview fonts.
Colour legend	✓	✓	The colour legend can be displayed in a separate window and easily copied / transferred to documents. It provides a summary of the colours and patterns used for the various categories of the risk elements.
Personal layout	✓	✓	Display of windows can be set to your favourite layouts.
Export Treeview, Listview, Quality checks etc., to Excel	✓	✓	Bowtie data from the software can be exported as excel spreadsheets.
Create Template	✓	✓	Create your own bowtie company template for use. (Set up your own risk matrices, favourite reports, dropdown lists, user data, default terminology and more).
Treeview	✓	✓	Bowtie data is structurally categorised and captured in the Treeview. This is an alternative way to navigate through the bowtie case file from the Treeview. It acts as a menu for the information (meta data) used in the diagram.

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Features	STD	ADV	Function
Treeview Filtering	✓	✓	The unwanted and unused metadata fields in the Treeview can be hidden by the use of filter profiles.
Selective Visibility Filters	✓	✓	The bowtie diagram elements can be selectively hidden. For instance to display only particular elements of a single threat line leading to a single consequence.
Advanced Filters (1 Criteria)	✓	✓	Apply filters to show only the elements based on the criteria applied. E.g. only show elements related to a particular job title.
Advanced Filter (>1 Criteria)	✗	✓	Apply single or multiple filters to show only elements based on the filter criteria applied. E.g. only show elements related to a particular job title with a certain criticality rating.
Apply Basic Terminology	✓	✓	Use a selection of default built-in terminology. (E.g. Cause or Threat; Outcome or Consequence; Barrier or Control; etc.).
Spelling check	✓	✓	Allows for spells check across the entire bowtie or by selection.
Search & Find	✓	✓	Find text throughout the entire case file.
Search, Find & Replace	✗	✓	Find text throughout the entire case file. Replace or substitute text throughout the entire case file.
Import data from Thesis™	✓	✓	Enables to import bowtie data from thesis bowtie files.
Quality Checks	✓	✓	It is the ability to check and validate criteria that should be captured within the bowtie elements.
Document Links	✓	✓	Add references to external document links in the diagram. They can be opened from within the diagram.
Export Treeview data & Diagram data	✓	✓	Treeview data can be exported to excel. Similarly the bowtie diagram data can also be exported via the Case Overview diagram.
Reports (Basic)	✓	✗	Has a collection of reports. Output reports are in either word or excel format and can be edited further. Some reports can also be customised.
Reports (Advanced)	✓	✓	It includes additional reports to what is available with the Standard.
Auto detect data entry	✓	✓	Automatically detects previously entered data as key strokes are made in a new corresponding field (e.g. same control name entered multiple times)
Creating diagram display profiles	✗	✓	Allows the user to create custom profiles and save them for ongoing use. Once a new profile is created it can be accessed by standard users.
Search for data in the file	✓	✓	Once an object is found through the search function/tab, it can be located in the diagram or Treeview for quick review, editing or copying.
NAVIGATION			
Features	STD	ADV	Function
Go To Definition	✓	✓	Navigate to a specific node in the tree-view where the element has been defined.
Undo and Redo	✓	✓	Enables the user to undo or redo information entered in a step by step process.
Back and Forward	✓	✓	The user can move backwards to previous operations, and forward again in the treeview. Undo and redo are separate operations to this.
Zoom in/out	✓	✓	Allows to zoom in and out of a diagram.
Stage diagrams (Expand & Collapse)	✓	✓	Each step of the diagram can be expanded/collapsed and provides additional settings for printing diagrams.
Display Risk Assessments	✓	✓	The inherent and residual risk scores can be either displayed or hidden. The risk assessments can be carried out at the Top Event or / and Consequence level of the bowtie.
Choose a display profile	✓	✓	A customised drop down list allows the bowtie to be displayed with certain characteristics displayed visually with a mouse click. The profiles are created using the Advanced version.
Drag and Drop	✓	✓	Allows dragging and dropping information for rearranging bowtie elements. (E.g. rearrange elements within the diagram; drag and drop elements from a drop down list to the diagram or drag and drop information into or out of the scrapbook feature).
Change display options (the eye icon)	✓	✓	The eye icon enables users to custom adjust the display settings for specific bowtie elements.
Maximise / Minimise Treeview	✓	✓	A feature to expand or collapse objects within the Treeview.
SPECIAL ADVANCED ONLY FUNCTIONALITY			
Features	STD	ADV	Function
Scrap Book	✗	✓	Import information from excel to automatically create bowties elements. Acts as a library to store bowtie elements towards standardisation. Has a built in capability to drag and drop bowtie elements into the diagram window.
Chaining	✗	✓	Allows elements of the bowtie to be chained. (e.g. multiple bowties can be chained/linked showing the cause and effect relationship)

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Mark for Compare	x	✓	Selectively mark and compare differences between specific bowtie elements. (E.g. compare one barrier with another). The bowtie diagram also flags identical controls with varying properties.
Compare Case files	x	✓	Allows comparing changes made between two case files or two bowties. It is possible to run a report (Microsoft Word-compatible) to support the change management processes.
Edit Type and Property Descriptions	x	✓	Customise majority of labels / terminology used in the software.
Relationship models	x	✓	Visualises the relationship between Hazards and Operations and other risk relationships (such as Job Titles, Activities, etc.). It includes visualisation of data in the SOOB matrices.
Group Editing of data	x	✓	Allows multiple or selected elements of the bowtie to be edited simultaneously (e.g. all similar / identical barriers to be edited simultaneously).
Automatic Group detection	x	✓	The software automatically recognizes barriers with the same code and name, and allows them to be edited simultaneously at the press of a single button. (E.g. To edit all instances of the same barrier across many diagrams at once).
Import external data	x	✓	Allows external data stored in Microsoft excel to be imported into the bowtie software. The software displays the criteria and format to enable data import.
Copy and Paste between multiple files	x	✓	Enables information to be easily copied and pasted from different bowtie files.
SOOB Matrices	x	✓	Generate Summary Of Operational Boundaries for risk control. Supports IADC HSE case guidelines. It has a search function, visualisation using maps and export capability,

**For an online demo contact us.**

Find out about other risk management products by visiting  
[www.bowtiexp.com.au](http://www.bowtiexp.com.au)






Bringing BowTies to the Enterprise

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