

CyberTracker Change History

3.072: 08/16/2006

Bug fixes:

1. Desktop: Importing external screen templates doesn't update treeview correctly
2. Desktop: Added simple screen templates
3. Desktop: Auto expand New Screen templates treeview
4. Desktop: Help files should not reference "Major" and "Minor" targets

New features: None.

3.071 BETA: 08/14/2006

Bug fixes:

1. Desktop: Simple path rendering used when no Join Elements specified
2. Desktop: Crash when closing map view during slow calculations

New features:

1. Desktop: Efficiency graph now uses the path building system for calculations and includes outlier detection

3.070 BETA: 08/12/2006

Bug fixes:

1. Desktop: Path doesn't correctly join when separated by waypoints

New features:

1. Client: ElementList has a "Sorted" property which sorts the list by caption: slow on the desktop, but fast on the device
2. Desktop: ElementList "Element" editor has a "Sort" button which sorts the list alphabetically

3.069 BETA: 07/25/2006

Bug fixes:

1. Client: Keypad calculator control should have buttons in same order as real calculator
2. Desktop map: active query is now brought to front or render order

3. Desktop map: Grid rendering now always renders grid in the same location regardless of zoom
4. Desktop map: Grid export should export data unscaled
5. Desktop map: Path calculations incorrectly breaks path if endpoints are more than 1 hour apart

New features:

1. ElementList has a "Hide links" property which significantly speeds up the UI when dealing with large lists of Elements when none of them need to point to a specific screen.
2. Map has a Refresh button which allows you to update it when the extents change for Grid mode
3. Grid rendering now has "Low effort threshold" property
4. Grid rendering now has "Outlier detection speed (km/h)" property

3.068 BETA: 07/24/2006

Bug fixes:

1. Desktop: Viewer toolbar is now invisible (it only had one button which was wasting space)
2. Desktop: map points disappear when zoomed in too much with huge map extents
3. Desktop: Creating controls in "Lock" mode should work everywhere on design surface
4. Desktop: Import all staged sightings on startup, not just on sync
5. Desktop: Crash while adding columns
6. Client: MobileMapper CE GPS does not detect properly
7. Client: Changes to support Thales MobileMapper (WinCE) as well as PocketPC
8. Client: Windows Start button disappears after using a sequence
9. Client: Does not uninstall on WinCE
10. Client: Improve the handling of "Time out of sync" errors between handheld and PC
11. Client: Timer list should include 1 second timer (and remove 4 minute timer) interval
12. Client: Handle old sequences left on the device properly
13. Client: Changes to GPS timer are overridden by sequence properties
14. Client: fast/slow GPS track timer threshold should be 1 minute, not 30 seconds
15. Client: RangeFinder state should persist between exit/restart
16. Client: GPS and RangeFinder should never block other UI
17. Client: Improved screen load performance on slower systems
18. Client: Titlebar options button should be more easily clickable
19. Client: Added support for LA1KC RangeFinder message

New features:

1. Desktop: support for Index of Abundance / Effort of Patrol / Cell count
2. Client: Panel has a "Use screen name" property which causes it to take the name of the current screen as its caption. This means that creating new screens is faster because you only have to type the name of the screen and the title will match.
3. Client: SnapGPS Action now has a "Required" property which allows you to make it optional, i.e. it will take a GPS reading if available.
4. Desktop: Help menu now points to FAQ and Tutorial Movies.
5. Desktop: Controls are now hosted in an auto-hiding Toolbox, instead of just being in a simple vertical toolbar. This makes them easier to see and use, because when visible you can see the full control name. They are also categorized into "Static controls", "Data controls" and "Actions".
6. Desktop: Path rendering is now available off View Properties for the Map. Paths allow you to control how timer tracks are used to join observations.
7. Client: New Action: Configure Save Targets: this replicates the functionality of the "Ok destination" from version 2
8. Client: Lists have a "Radio Element" property which allows you to have the text of a radio list selection assigned to an Element. This is useful for cases when you don't want to have to duplicate long lists of Elements to capture different fields that are identical except for context, e.g. Observer 1 Name and Observer 2 Name.
9. Desktop: Elements mode has a new menu option called "Export Elements to Table" which allows you to save the contents of the grid to an Excel file. This is useful for copying Elements between different sequences as well as being a general way to export Elements out of CyberTracker.
10. Desktop: Export Data-only - available off the file menu, allows export of data only files which are much smaller, but don't contain sequences
11. Desktop: Screen Elements edit has "Move First" and "Move Last" buttons to help with re-ordering of large lists of Elements.
12. PocketPC: Multiple sequence support. The PocketPC front-end has been rewritten to enable multiple sequences to be loaded onto a device at the same time.
13. PocketPC: Task bar visibility. The new front end has an option to show/hide the taskbar for a sequence.
14. Desktop: Screen profiles are now a global setting which affect all sequences. Unfortunately this change means that if you created any of your own profiles in the past, you will need to recreate them. "Configure Profiles" is now available off the "Tools" menu.
15. Desktop: Screen snapshot to clipboard. There is a new option in the Sequence writer to take a snapshot of the active screen and copy it to the Windows clipboard. This makes it easier for document writers to cut-and-paste images into their applications.
16. Code preparation for the SDK: the client side (on the PDA) will be made OpenSource with the MPL. The way it is structured, this will allow third party developers to create custom controls and actions that tweak the behavior of the client. We expect this to be released in the next month.

Design change:

1. Desktop: When viewing data on the map, all queries are simultaneously visible. This is now optional and off by default, i.e. by default, the map only shows the active query. You can get the old behavior by checking the "Show all queries at once" property in the new Render tab of the Map's View Properties.
2. Desktop: Shape file Export is now available when exporting from the Map. Previously, it was available from the Table.

3.058 BETA: 06/24/2006

Bug fixes:

1. Fixed crash when re-ordering columns with active query set
2. Fixed render order for shape files when map image is set

3.057 BETA: 06/20/2006

Bug fixes:

1. Double values not displayed properly in Sighting history
2. Text from text editors should have leading and trailing spaces removed
3. Opening COM0 on some PDAs causes a hang, removed this from detection code
4. Added 57600 as a baudrate for the GPS auto-detect
5. Error in sequence when loops within loops are used
6. Desktop: Color selector should retain custom colors
7. Desktop: Auto-next sometimes confuses screen editor

New features:

1. Atlanta Laser Range Finder support
2. 3 new controls: "Range Finder" (for status), "Element Range Finder" (for data) and an action "Configure Range Finder" for support of the Atlanta serial Range Finders.
3. Static Elements for range, roll, inclination and bearing.
4. "Alignment" property added to Panel and Memo controls Text can now be aligned left, center or right in Panel and memo controls.
5. "Require non-zero" property added to Element Keypad. This will prevent a "Next" if the value has not been set to something other than zero.
6. "Element Memo" now accepts Name as an attribute
7. "Ensure result on save" property added to Navigator. This prevents save if the result on the current screen is required, i.e. will prevent save until the current screen contains valid data.
8. "Retain state" for Element Number List The Element Number List now supports "Retain state" in the same way as Element Lists do.

3.056 BETA: 06/06/2006

Bug fixes:

1. Crash when double-clicking on elements to create new columns (introduced by perf improvements in 3.053)
2. Crash caused by race condition when synchronizing PocketPC at the same time as an ActiveSync was happening

New features:

1. Sound support for MP3 files in addition to WAV files on PocketPC. Sound files tend to be very large - much bigger than images. MP3 is still one of the better compression technologies around and we now support this format on both the desktop and PocketPC. Sound is not supported on Palm.
2. New view type: Graphs. We have added a new view type for graphs. So far we have Frequency and Efficiency tabs. If you used them in version 2 and were missing them, they're back. They also support exporting to all the usual formats (XML, XLS, TXT, HTM). Note, we don't support printing since Excel does such a good job of this already.

3.053 BETA: 05/19/2006

Bug fixes:

1. Sound should stop when leaving a screen on which sound was playing
2. Left-most navigator buttons should shunt left when possible
3. Palm: when using large images with Elements, element names sometimes disappeared
4. Desktop: Performance problems when dealing with lists with a large number of Elements

Design change:

Mid-sequence loops are now handled Whenever a loop is detected in a sequence, it is now automatically removed and attributes that are set within the loop are preserved. For example, if a sequence goes:

A -> X -> Y -> Z -> X

then CyberTracker will preserve any attributes set in screens Y and Z and the final path will be:

A -> X (with X being the active screen)

In the past, this only worked from the start screen and only the last attributes were preserved. We are trying out this behavior to see if it is useful.

New features:

1. Home button. The Navigator control can now also show a "Home" button. The icon looks like a house. Clicking on this button is the same as pressing the back button until that screen is reached. See the "Show home" property. You can also enable the "Home Screen" target by checking it in "Lock Properties".
2. Sound support on Radio lists You can enable a "play" button on radio lists by checking the "Show radio sound" box on the list control. When enabled, a play button will appear next to the current selected item. This only works for radio lists and requires that the Element's sound property be set. See also: "Show radio sound stop".
3. Auto next for radio lists. You can enable "Auto next" for radio lists by checking the "Auto radio next" property of the list control. This only works if the list is a radio list, check and number lists work the same as before.

3.052 BETA: 05/08/2006

Bug fixes:

1. Failure to download Elements when synchronizing sequences with no elements
2. Memory leak with screen names
3. Normal shutdown sequence not always followed on client

New features:

1. Wave sound support on PocketPC To access this feature you will need the Professional version. Select "Lock" in the Sequence editor and then drop either the "Sound" or "Element Sound" control onto a screen. Note, we currently only support PocketPC and Wave sound files.
2. Palm GPS track log sometimes stops. If the Palm application is exited for any reason other than a normal close (via the titlebar on the Options dialog) AND a track timer is active, then a 60 second alarm will be set to restart CyberTracker and continue the track. This is to handle cases where track logs are interrupted by other applications.

3.050 BETA: 05/06/2006

Bug fixes:

1. SE08 error when working with reports
2. Report dates not preserved when using different date formats
3. Sample databases had uninitialized links which caused the skip button to occasionally show in design mode.

New features:

Force Title Bar. To access this feature, select "Sequence Properties" from the desktop Sequence editor and then check the "Force title bar" checkbox. This makes CyberTracker

a better Windows Mobile citizen by always having a titlebar with an exit button on it. Note, if your screen has a panel at the top, then it will replace this panel and use its text, otherwise it will use the screen name.

3.049 BETA: 04/27/2006

Bug fixes:

1. Crash on DownloadCE when device cannot get a device id
2. Crash when using a Title Bar control with a less than 5 character title on PocketPC
3. GPS Position lost after editing a sighting

New features:

Add User Name. To access this feature, run the Professional version and do the following on the first screen:

1. Click "Lock" on the Toolbar
2. Select the "Action: Add User Name" control and click on the screen
3. Click "Lock" again This adds an action control to the screen which will cause the user name of the device to be added to each sighting as an attribute.

We've had several requests for this feature for cases where you would like to be able to partition data by device name.

3.047 BETA: 02/26/2006

Bug fixes:

1. Cut/Copy/Paste caused crash when used from locked mode if control had been selected
2. Element select should not close on double click without valid selection
3. Moving map incorrectly calculates point position
4. Zoom Images/Moving map buttons should not appear over the image/map

3.046 BETA: 02/07/2006

Bug fixes:

1. Date/Time encoding fails if device reports > 60 for seconds (which sometimes happens)
2. Crash on Palm device when control client is scaled below 1 pixel
3. GPS not detecting because EnumDevices doesn't enumerate GPS port
4. Client uninstall doesn't remove all files - fails on SmartPhone
5. Client taskbar sometimes becomes visible

6. Message and Fault window not properly scaled on high-DPI screens
7. Tutorial sequence on PocketPC should be removed: not useful
8. Client uninstall errors not logged
9. Message windows on Desktop can sometimes be hidden: crashes possible
10. Converting geo-referenced images to ECW should preserve geo-referencing
11. JPEG files not correctly recognized with Add Photo button
12. Palm: no users should generate error message
13. Remove shortcut keys from Sequence mode: confusing
14. Sequence Properties: GPS Timer doesn't work on Palm

New features:

1. Camera control. If you have a Windows Mobile 5 device with a camera, we have a new control that allows you to capture images directly.
2. Windows Mobile 5 is now fully supported.
3. MrSID images are now supported on both the desktop viewer and within the ECW converter tool.

3.040 BETA: 01/13/2006

Bug fixes:

1. Crash on load occasionally caused by race condition
2. Crash on map use after extended time

New features:

1. Option off "Sequence Properties" called "Use on GPS skip". If checked (on by default), then if you have a moving map assigned, pressing "Skip" will allow you to manually assign the GPS position for the sighting by pinpointing it on your map.
2. Option off "Sequence Properties" called "Sighting fix count". This allows customization of how many GPS points to take when acquiring a position. This improves accuracy at the expense of time.

3.039 BETA: 01/08/2006

Bug fixes:

1. Buttons do not invert correctly on all systems when pressed
2. SnapGPS action snaps even when editing a previously stored sighting
3. Manual GPS positions should not include accuracy when downloaded
4. GPS position is taken even when sighting already has a fix
5. State lost on save target screens when using "Retain state" feature
6. ConvertCTZ did not use XP themes
7. Initial directory not properly set on some editor dialogs

8. Merge sometimes leaves UI mode in closed state when viewing data files
9. Timer track export: file saved to the wrong directory and filename
10. Crash when viewing maps without layers
11. Timer tracks on maps should be ON by default

New features:

1. Major Target and Minor Target have been renamed to Save 1 and Save 2
2. Quit button is now in the top left corner
3. Edit button is now on the inspector button bar
4. Unsaved sightings is named "Unsaved" instead of 0-00:00:00
5. Sightings with 2D quality fix do not include Altitude
6. Sightings no longer display accuracy for manual sightings
7. The Moving Map control is now viewable in the GPS Viewer dialog
8. The Moving Map can be configured via a "Sequence Properties" dialog as can GPS timer and accuracy settings
9. CyberTracker includes a "Moving Map" converter for converting images in other formats to ECW
10. Map control has a "Flag" option which allows manual creation of GPS position for cases when no GPS fix is possible

3.037 BETA: 12/27/2005

Bug fixes:

1. Memos: text not always scrollable to the end
2. Palm: inverted colors don't always come out correctly
3. Crash when holding down "Skip" button during GPS acquisition
4. Palm: icons in transparent list boxes are colored incorrectly
5. GPS Off icon does not have a line through it: inconsistent with Navigator representation
6. History control sometimes gets out of sync
7. Navigator skip screen button occasionally displays incorrectly in the Designer
8. Data doesn't download when synchronizing to multiple computers
9. Database "Save As" doesn't handle all error conditions
10. Desktop application window size and position not saved between runs
11. Static elements sometimes have wrong icon
12. Deleting a screen doesn't always update the screen Preview window
13. "Element Columns" and "Sequence Profiles" should be separate dialogs
14. Export and Import directories not tracked properly
15. Import of data-only CTX files should default to "Report" mode
16. Import of data-only CTX files should validate Elements
17. Cut/Copy/Paste focus issues in Sequence Designer
18. Active Alias and Profile not tracked properly in "Test Run"
19. Overactive assert in Sighting Edit dialog
20. Lat/Lon precision in map view are too low

21. Vector Layers should not be the default tab in Map View Edit
22. Potential data loss when GPS reports high accuracy, but not a 3D fix
23. Cosmetic: region icon in map layers is malformed
24. CyberTracker Standard doesn't disable Sequence Design mode

New features:

1. File structure changed. CyberTracker originally kept a "Staging" and "Settings" folder in a per-user application data location. These have been moved to "My Documents\My CyberTracker Databases\System". The "System" folder is hidden, so you shouldn't see it. This has 3 main advantages: (a) To completely remove CyberTracker, just uninstall it and delete the "My CyberTracker Databases" folder. (b) The "Staging" and "Backup" directories will be easier to find if anything goes wrong. (c) Backing up "My CyberTracker Databases" will backup everything We have also created a "Maps" folder under "My CyberTracker Databases". If a map is placed in that folder, it will be accessible to anyone who shares your database as long as they have put the map in their own "Maps" folder.
2. New property: "Auto select index" which allows a default selection to be set on radio lists
3. New property: "Retain state" which allows the state of a screen to be retained between sightings
4. New property: "Save result" which allows a screen to be used for navigation only purposes without affecting the data in a sighting.
5. Number List now has "Minimum item width", "Columns" and "Auto select index" properties
6. Map View: If no image or other layers are present, then CyberTracker will use a world map as the default. This will automatically disappear when: (a) A valid image layer is added OR (b) One or more valid shape files are added OR (c) The projection is changed Map views now also support ER Mapper (ECW) files.
7. Timer track export. When exporting a shape file, timer tracks will also be exported. If your export shape file name is: "My Data.shp" then the timer tracks will be exported as "My Data_line.shp". Both files have an additional data field which specifies the Id of the device that captured the data. This allows correlation between sightings and timer tracks.
8. New Control: Zoom Image. A new control that allows you to zoom and pan around high resolution images that are too large to fit on the screen.
9. CyberTracker Viewer. There is now a Viewer application, which is read-only for the database. You can view sightings and modify queries, but not save or modify the database in any way. It is available as a shortcut off the Start menu.
10. Add Photo button and Photo View There is an "Add Photo" button that makes it easy to bind sightings to images. The Photo view shows any photos in the currently selected sighting.
11. New Sample database: Feature demo A simple demo sequence that runs through some of the features of CyberTracker.
12. New Action: Add Attribute: allows the adding of data to a sighting without having to enter it on a screen. Useful for tagging sightings with meta-data.

13. New Action: Configure GPS: allows configuring the GPS timer and accuracy requirements without having to enter them on a screen. Useful when enforcing track timers and accuracy of readings.
14. New Action: Snap GPS: allows acquisition of GPS readings at specific places in a sequence, rather than always at the end. Useful for recording sightings from a fast moving vehicle, where you want the GPS reading to reflect the point where the observation was started.
15. New Control: Moving map. A new control allows the display of a realtime moving map on the device. This feature works on Windows Mobile/PocketPC devices only. We have no plans to support this on Palm. The map file must be in ECW (ERMapper) format. There is a free image converter for these files available at [ERMapper](#). This control is not currently integrated into the GPS info screen.

3.035: 10/05/2005

Differences from 3.021:

1. Improved Palm performance for older devices: CyberTracker now runs acceptably fast on devices as old as the original Handspring Visor.
2. Improved support for high resolution screens: this includes line doubling and better fonts. These options are available by setting the profile.
3. Improved installation mechanism: CyberTracker no longer requires manual uninstallation. When installing a new version, the previous version is automatically uninstalled.
4. The Icon library from version 2 has been included. These icons are stored as individual JPEG images in the Icons folder of the CyberTracker installation folder.
5. More GPS device support
6. Multiple improvements to UI controls including scrollbars, lists and icon history.
7. Bug fixes

3.033 BETA: 09/15/2005

Changes:

1. Key filter system allows filtering of large lists based on attributes.
2. The Wildlife sample now includes a demonstration of this new feature in the form of a Plant key. Note, the sample doesn't work very well on older Palm devices, because we are using high resolution color images. (Professional only until we create a template).
3. New check box style. (Professional only until we create a template).
4. New control: Element Image Grid. This control allows you to select a square on a grid for positional purposes, e.g. I'm in block C25. Wildlife sample includes a demonstration. (Professional only until we create a template).
5. The Icon library from V2 is now included in the form of individual image files in the "Icons" folder of your CyberTracker installation folder.

6. Installation of Desktop now auto-uninstalls old version
7. Installation of PocketPC client now auto-reinstalls newer versions
8. Improved support for High DPI devices

3.026 BETA: 08/23/2005

Changes:

1. GPS Reading sometimes not taken (introduced in 3.025)
2. Trimble Pathfinder GPS not always found
3. Prevent crash when writing templates to existing read only files
4. Improved support for High DPI devices: borders can be scaled
5. Support for 8 Images and 8 text fields per Element

3.025 BETA: 08/19/2005

Changes:

1. Pro version: new control "Element Container" designed to hold multiple Element Memo and Element Image controls
2. Bug Fix: After Synchronize links go blank
3. Bug Fix: CF GPS not recognized if inserted after CyberTracker started
4. Bug Fix: GPS waits until at least 2 sentences are read from the GPS before saving
5. Bug Fix: TSIP GPS device readings in wrong hemisphere
6. Improved About dialog

3.024 BETA: 08/15/2005

Changes:

1. Descriptions of properties below the property editor when editing sequences
2. Scroll bars now have up and down buttons on all controls, not just lists
3. GPS dialogs now show GPS state (i.e. detecting, acquiring, fix) on each tab
4. Bug fix: Crash when selecting a control when locked properties popup open
5. Bug fix: GPS satellite PRNs not correctly aligned

3.022 BETA: 08/03/2005

Changes:

1. Queried sightings are now pre-sorted by Date/DeviceId/Time
2. Optimized Palm support for older devices: performance is now comparable to version 2 when using the "Palm" profile
3. Scrollbars now have up and down buttons

4. The device up and down buttons on the bottom of the screen now function as "Page up" and "Page down" for lists
5. The device left and right buttons work as "Back" and "Next"
6. Compact Flash GPS devices, like the "Holux GPS Ultra" are now supported
7. Improved icon history list: requires any icon (32, 50, 100) to work
8. BUG Fix: Insufficient precision with shape file export of numbers

3.021: 07/20/2005

Changes:

1. Critical bug fixes
2. Support for PalmOS devices
3. Support for GPS tracks (positions taken at timed intervals)
4. Moving of sightings visually on the map view

History prior to 3.021 is not available.