



Release Notes // Version 2.104

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software release 2.104

April 2023

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EZSurv® // GNSS Post-Processing

Release Notes

Chapter 1

1 Current Version

1.1 OnPOZ 2.104.921 – EZSurv® // April 2023

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

1.1.1 Added features

- New OnPOZ Support web site available here: <https://workspace.onpoz.com/OnPOZSupport/>
- Add the RAF20 geoid (France).

1.1.2 Modified features

- Fix **IGSCDDIS** base provider.
- Fix import of Hemisphere BIN files.

1.1.3 Removed features

- Remove **GNSS Driver for ArcPad** application. Data collected with an old installation of **GNSS Driver for ArcPad** can still be imported and post-processed by EZSurv®.
- Remove the **UNAVCO** base provider

1.1.4 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 or Windows 11.

1.1.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

1.1.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03, 3.04 and 3.05.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

1.1.7 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Problems related to the Regional and Language Options.

EZSurv® indicates there is no license after upgrading to 2.99 (or better). And EZSurv License Management still indicates there is one.

You are using a USA geoid and do not see the correct geoid name in your reports

Solution

Use only English (or other non-Unicode) characters in file and folder name

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

Please close your application, go to the **C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels** and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

EZSurv® // GNSS Post-Processing

Release Notes

Chapter 2

2 Previous Versions

2.1 OnPOZ 2.103.882 – EZSurv® // October 2022

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3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.1.1 Added features

- Read L2D observations within RINEX v3 files.
- In **Events Interpolator**, when **Update position within pictures** is checked, update *GPSXYAccuracy* and *GPSZAccuracy* in XMP bloc when present in picture.

2.1.2 Modified features

- Fix **APREF**, **ARGN**, **CATNET** and **UNAVCO** base providers.

2.1.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 or Windows 11.

2.1.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation

- ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
 - Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
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On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

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Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use

custom settings for those as in the English format.

- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99 (or better). And EZSurv License Management still indicates there is one.

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2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.2.1 Added features

- **OnPOZ Cloud Post-Processor:**
 - Save **GIS Feature Summary**, **Process Summary** and **Trajectory Summary** reports after a successful processing.

2.2.2 Modified features

- Fix **OSNet** base provider.
- Fix **Export to RINEX** when multiple files were selected.
- **OnPOZ Cloud Post-Processor:**
 - Fix processing of sessions with huge number of vertices in lines or polygons.
 - Fix problems with trailing spaces in user name.

2.2.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 or Windows 11.

2.2.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.2.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03, 3.04 and 3.05.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.

- License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.2.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99 (or better). And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.
You are using a USA geoid and do not see the correct geoid name in your reports	Please close your application, go to the C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

2.3 OnPOZ 2.103.858 – EZSurv® // July 2022

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.3.1 Added features

- **OnPOZ Cloud Post-Processor:**
 - Support offsets on points.

2.3.2 Modified features

- Fix **BCACS** and **GREF** base providers.
- Fix reading of some **RINEX** files.
- **Pick Coordinate** within the **Base Stations Finder** now requires at least Windows 10 to work. We are using an external tools that is no longer supported on older operating systems.
- **Export features:**
 - When using a TAG file without an associated POS file, do not display the warning that the geoid does not completely include all input files
- **OnPOZ Cloud Post-Processor:**
 - Fix failure to post-process a session when at least one position was manually entered.

2.3.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 or Windows 11.

2.3.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.

- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.3.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03, 3.04 and 3.05.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.3.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see "ArcGIS version found is unsupported" when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check " Use EZSurv mapping system instead of ArcGIS coordinate system " in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99 (or better). And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.
You are using a USA geoid and do not see the correct geoid name in your reports	Please close your application, go to the C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

2.4 OnPOZ 2.102.830 – EZSurv® // May 2022

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.

2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
- a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.4.1 Added features

- Add support for RINEX 3.05 files.
- Add support for **Mesa 3** tablets.
- **OnPOZ Cloud Post-Processor:**
 - Support six new shapes for feature symbols.
 - Mark features with an active conditional fill color.

2.4.2 Modified features

- Fix **EUREF**, **OSNET** and **TRIGNET** base providers.
- Fix reading of some **FieldGenius** and RINEX files.
- Fix merging of base files when the rover starts just milliseconds before the base.
- Fix position calculation for static files imported without known position and without orbits.
- When there are no SNR, do not permit to display GPS L5.
- **OnPOZ Cloud Post-Processor:**
 - Fix post-process failures when passing points that were both snapped points and average points.
 - Skip sessions with only user points and snapped points.
 - Fix support for private bases that are cut hourly.
- **Event Interpolator:**
 - Fill the GPSPositioningError field in EXIF with horizontal accuracy.
 - Fix batch interpolation without pictures.

2.4.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10 or Windows 11.

2.4.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation

- ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
 - Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.4.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03, 3.04 and 3.05.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.4.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use

custom settings for those as in the English format.

- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99 (or better). And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

You are using a USA geoid and do not see the correct geoid name in your reports

Please close your application, go to the **C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels** and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

2.5 OnPOZ 2.102.800 – EZSurv® // January 2022

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.5.1 Added features

- Add two new geoids for **Sweden**.

2.5.2 Modified features

- Fix reading of RINEX observations containing site names with unsupported characters.
- Fix reading of RINEX orbits files that include the Quasi-Zenith Satellite System (QZSS) constellation.
- Fix reading of some SP3 files that includes QZSS or BeiDou constellations.
- Fix reading of some RTCM data.
- While importing, detect observation files that are too big to handle.
- In **Observed Satellites**, properly display GLONASS L1P Code Data when these are no L1C Code Data.
- In **Events Interpolator**, adjust when to display and what to display in the summary message box after interpolation is completed.

- In **OnPOZ Cloud Post-Processor**, change the session folder name to include also the project name and user name.
- Fix information for some base stations in **ARGN**, **BCACS**, **CANNET**, **NOANET** and **WISCORS** providers.

2.5.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.5.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.5.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.

- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.5.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.
You are using a USA geoid and do not see the correct geoid name in your reports	Please close your application, go to the C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

2.6 OnPOZ 2.102.775 – EZSurv® // October 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.6.1 Modified features

- Fix reading of some **JAVAD**, **Navcom Sapphire**, **NovAtel** and **RINEX** files.
- Add geoid model in all USA geoid names.
- During post-processing, add an extra step to reject invalid data from GLONASS satellites.

2.6.2 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.6.3 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.6.4 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.6.5 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see "ArcGIS version found is unsupported" when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check " Use EZSurv mapping system instead of ArcGIS coordinate system " in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.
You are using a USA geoid and do not see the correct geoid name in your reports	Please close your application, go to the C:\Users\<YourUserName>\AppData\Local\Effigis\Geoid\PredefinedModels and remove all files. Your geoid will be reloaded with the correct name the next time you are using it.

2.7 OnPOZ 2.102.767 – EZSurv® // August 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.

b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.

3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.7.1 Modified features

- Fix **CORS02**, **CORS10**, **EUREF** and **REGNA-ROU** base providers.
- Display all errors and warnings in **Events Interpolation** report instead of only showing the worst error or warning.
- In **Process Parameters**, replace the **Ignore points in trajectories** option by **Ignore survey sites in trajectories**. In practice, it will ignore only survey sites instead of ignoring survey sites, points and vertices.
- **OnPOZ Cloud Post-Processor**: Fix wrong language displayed when some components were called.

2.7.2 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.7.3 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon

- u-blox
- UniStrong
- We also support RTCM v3 file.
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.7.4 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.7.5 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.8 OnPOZ 2.102.758 – EZSurv® // July 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.

2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
- a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.8.1 New features

- Add **Scripps Orbit and Permanent Array Center (SOPAC)** base provider

2.8.2 Modified features

- Fix reading of some CHC files.
- Fix **RBMC** base provider
- Fix empty duration in Events Interpolator logs.
- **OnPOZ Cloud Post-Processor:**
 - Add Spanish and Portuguese translations
 - Display or hide password in OnPOZ Cloud connection.
 - Support OnPOZ Cloud compact data for lines and polygons.

2.8.3 Removed features

- Remove **FLEPOS** base provider

2.8.4 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.8.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems

- Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
 - Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.8.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.8.7 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after

EZSurv® License Management was modified in 2.99 to generate a more stable

upgrading to 2.99. And EZSurv License Management still indicates there is one.

computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.9 OnPOZ 2.102.738 – EZSurv® // June 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.9.1 New features

- Read RTCM v3 observations file.
- Support interpolation for multiple events files.

2.9.2 Modified features

- Major redesign of events interpolation report. Information is now displayed in a log table and is kept until the user clear the log.
- Fix antenna offset calculation for DJI MRK files.
- Fix access to **NRCan** base provider.
- Fix cryptic error when checking for OnPOZ update and the server is down
- Fix reading of some SurvCE files.

2.9.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.9.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav

- Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- We also support RTCM v3 file.
 - Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.9.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.9.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-

Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.10 OnPOZ 2.101.715 – EZSurv® // May 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, EZSurv® will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.10.1 New features

- Add a **Check for update** in the **Help** menu. It is also checked with **Automatic updates**.

2.10.2 Modified features

- Reduce the number of error messages in **Pre-Process Log** when downloading orbits.
- In **Events Interpolator**, ignore hidden files when searching for images.
- Fix access to some files in **ITACyL**, **NRCAN** and **PositionNZ** base providers.
- Fix support for some CHC Navigation GNSS logs.
- Fix support for some non-Latin characters in archive files.
- Fix the precise orbits download that could stop the pre-process in case of error.
- Fix the position calculation, mostly for **OnPOZ Collect** files.
- **OnPOZ Cloud Post-Processor**:
 - It now detects if no base was found. And if the data is collected too recently, it will suggest waiting and trying again later.
 - The **Show in OnPOZ Cloud** button has been replaced by a simple **Open OnPOZ Cloud**.

2.10.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.10.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.10.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.10.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.11 OnPOZ 2.101.685 – EZSurv® // January 2021

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.11.1 New features

- Add support for private base stations in **OnPOZ Cloud Post-Processor**.
- Add **U.S. survey foot** as **Units** in **OnPOZ Cloud Post-Processor**.

2.11.2 Modified features

- Fix access to some files in **APREF**, **CORS**, **ERGNSS**, **EUREF**, **GREF**, **IGS/CDDIS** and **INEGI** base providers.
- Fix access to **IGS/CDDIS** broadcast and precise orbits.

- Better handling of timeout on any base provider server. As soon as a timeout is returned, stop trying to get any more files on that server since they will most likely produce another timeout.
- **Search for broadcast orbits** now download two or three broadcast orbit files per day.
- Fix support for some RINEX v3 files regarding L2 data that was not read properly.
- Stop displaying multiple errors for the same base in the **Pre-Process Log**.

2.11.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.11.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.11.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.

- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.11.6 Known Issues

Problem

Solution

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.12 OnPOZ 2.101.655 – EZSurv® // November 2020

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.12.1 Modified features

- Fix access to hourly files in the IGS/CDDIS base provider.
- Fix support for some RINEX v3 files with more than 13 types of observations per constellation.

- Fix reading of GPS L1 C/A Code Data in some RINEX v3 files.
- Fix reading of BeiDou B2 Code Data.

2.12.2 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.12.3 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.12.4 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:

- RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
- License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.12.5 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.13 OnPOZ 2.101.649 – EZSurv® // November 2020

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.13.1 New features

- Read Signal-to-Noise Ratio values in RINEX v3 observation files.

2.13.2 Modified features

- Support IGS/CDDIS base provider after major access changes on their part on November 1st, 2020.
- Support CDDIS broadcast orbits provider after major access changes on their part on November 1st, 2020. This provider is used to download broadcast orbits when **Search for broadcast orbits** is requested in the **Process Parameters** dialog.
- Use an IGN server to access the IGS precise orbits provider in **Precise orbits providers**.
- Fix support for some RINEX v3 compressed files.
- The two ARGN base providers (ARGN-GDA94 and ARGN-GDA2020) are now mutually exclusive in the **Base Station Providers Manager**.
- Support both RINEX v2 and v3 files within the same base provider. Some base providers are in the process of migrating from RINEX v2 to v3 files for each of their base stations. Some base stations have only RINEX v2 files, others have only RINEX v3 files and some have both. Preference is given to the RINEX v3 files whenever possible.
- Fix coverage calculation. Sometimes very small holes were ignored.

2.13.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.13.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo

- Topcon
- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.13.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.13.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.14 OnPOZ 2.101.623 – EZSurv® // October 2020

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:

- a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
- b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.14.1 New features

- Add ITG2009 geoid for **Italy**.

2.14.2 Modified features

- Improvement in **OnPOZ Cloud Post-Processor**:
 - All progress bar popups are now embedded in the **Processing** dialog.
 - During **Processing**, long steps were split into smaller steps.
 - Cancel during **Processing** is better handled.
 - The initial sort, rules for auto-resizing column and colors were changed in all tables.

2.14.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.14.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF

- South
- Stonex
- TechGeo
- Topcon
- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.14.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.14.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.15 OnPOZ 2.101.595 – EZSurv® // July 2020

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.15.1 New features

- Add **OnPOZ Cloud Post-Processor**. This is a new program available in your Windows main menu to post-process data collected by **OnPOZ Collect** and displayed by **OnPOZ Cloud**.
- Add mapping **Geo Timbalai 1948 / RSO Borneo** for **Malaysia**.
- Add mapping **TM SIRGAS Unico origen** for **Colombia**.
- Add 10 new geoids (GEOID18) for **United States of America**.
- Add 2 geoids for **Columbia**.
- Add **RAF18** geoid for **France**.
- Add **Portugal_GEODPT08_DGT** for **Portugal**.

2.15.2 Modified features

- Fix reading of some Hemisphere logs.
- Fix failures in **Events Interpolator**.

2.15.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.15.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida

- Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.15.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.15.6 Known Issues

Problem

Solution

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read

the red section above for the procedure how to fix this.

2.16 OnPOZ 2.100.501 – EZSurv® // December 2019

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.16.1 New features

- Read Galileo and BeiDou observations and orbits in Javad logs.

2.16.2 Modified features

- Correct reading of projects with a RINEX license.

2.16.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.16.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel

- NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.16.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.16.6 Known Issues

Problem

Solution

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.17 OnPOZ 2.100.496 – EZSurv® // November 2019

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.17.1 New features

- Add mapping for **Fiji**.

2.17.2 Modified features

- Update list of antenna models.
- Fix reading of some Septentrio logs.
- Fix some licensing problems.

2.17.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.17.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom

- NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.17.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.17.6 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see "ArcGIS version found is unsupported" when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check " Use EZSurv mapping system instead of ArcGIS coordinate system " in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.18 OnPOZ 2.100.487 – EZSurv® // September 2019

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.18.1 New features

- Add base provider **Asia-Pacific Reference Frame (APREF)**.
- Add **TWHYGEO2014** geoid for Taiwan.
- Importing a RINEX observations file containing events will now create an **Events** file in the same folder to be used later by **Events Interpolator**.
- Add support for u-blox F9T board or receiver.
- Decode Galileo and BeiDou orbits for u-blox receivers.

2.18.2 Modified features

- Fix some licensing problems.
- **Search for broadcast orbits** is now checked by default in **Process Parameters**.
- Do not permit to change geoid when there are observations in project.
- **Base Position (Mapping)**, **Rover Position (Mapping)** and **Position (Mapping)** can now be exported either in X, Y or in Y, X order in **Baselines**, **PPP**, **Sites** and **Trajectories** exports.
- Export **Picture** column with or without quotes in CSV format in **Events Interpolator**.

2.18.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.18.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav

- Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.18.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.18.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “Use EZSurv mapping system instead of ArcGIS coordinate system” in Tools > Options > Format > Set.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.19 OnPOZ 2.99.468 – EZSurv® // May 2019

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.19.1 New features

- In **Events Interpolator**, add support for the **Phantom 4 RTK** file (MRK). This file supports a different offset between the camera and the antenna for each event position.
- When importing a NovAtel observation file, extract events if any are present and generate an events file which can be used later by the **Events Interpolator**.

2.19.2 Modified features

- Fix height exported by **Events Interpolator** in **DroneDeploy**, **GPX** and **Pix4D** formats. It also fixes height in positions within pictures (in the Exif data kept with the JPG).

2.19.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.19.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation

- ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.19.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.19.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-

Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.20 OnPOZ 2.99.462 – EZSurv® // April 2019

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. First, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. After you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.20.1 New features

- Add base provider **ARGN-GDA2020** for Australia.
- Add **GDA 2020** datum.
- Add several **MGA 2020** mapping systems for Australia.
- Add support for RINEX 3.04 files.
- In **Trajectory Export**, add **GPX** file format in **Export profile**.
- In **Site Export**, add **DroneDeploy**, **DroneMapper**, **GPX** and **Pix4D** file formats in **Export profile**.
- In **Site Export**, add **Horizontal Accuracy** in the **Profile Editor – Sites**.

2.20.2 Modified features

- Rename base provider **ARGN** in **ARGN-GDA94** to avoid confusion with the new **ARGN-GDA2020**.
- Fix base providers **CATNET**, **MAGNAECO**, **MGEX**, **OSNET**, **RENEP** and **RGP**.
- Major rewrite of **Events Interpolator**:
 - A new dialog that now support saving multiple profiles.
 - It now supports latency between the event recorded and the picture.
 - It now supports entering a **dZ** offset from camera to antenna.
 - It now supports updating positions within pictures (in the Exif data kept with the JPG).
 - It now supports multiple outputs: **CSV**, **DroneDeploy**, **GPX** and **Pix4D**.

- The **CSV** output is now customizable.
- The report after interpolation is now more detailed and made it possible to open **EZViewer**, the picture folder and the output folder directly.

2.20.3 Removed features

- Remove base providers **IARTN** and **SNB**.

2.20.4 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.20.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.20.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02, 3.03 and 3.04.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.20.7 Known Issues

Problem	Solution
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs.
You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.	We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “ Use EZSurv mapping system instead of ArcGIS coordinate system ” in Tools > Options > Format > Set .
EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.	EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.21 OnPOZ 2.99.418 – EZSurv® // October 2018

EZSurv® License Management may generate a different computer ID than previous versions. When this happens, **EZSurv®** will not recognize the license already on your computer after upgrading. If this happens to you:

1. **First**, contact us at OnPOZ@cpatflex.com. We will reset the license.
2. **After** you have received a confirmation from us the reset is done, you will need to do this using an Administrator account:
 - a) Start **EZSurv® License Management**, copy the **Activation code** in **Notepad**, click **Deactivate License**, click **Yes**, click **OK**. **EZSurv® License Management** will close.
 - b) Start **EZSurv® License Management** again, click **Activate a License for this computer**, paste your **Activation Code** from **Notepad**, click **Request Activation**, click **OK**. **EZSurv® License Management** will close.
3. Start **EZSurv®**. You can confirm your license is now active in the **Current EZSurv licenses used** under **Help > About**.

2.21.1 New features

- Add an EGM2008 world geoid at 2.5 minutes resolution.
- Add a **Fixed Wing Antenna Offset** dialog in **Events Interpolator**. This is needed for UAV where the camera is not placed below the antenna (with just a height offset).
- Add support for SP3-d files used by IAC orbit provider.
- Decode Galileo observations and orbits in Hemisphere GPS files.

2.21.2 Modified features

- Modify **EZSurv® License Management** to generate a more stable computer ID. For most users, it still gives the same computer ID as before. For some users however, it will change the computer ID and it will cause problems when upgrading. If your license is no longer recognized after upgrading, please follow the instructions from the red section above.
- When using an antenna with a zero radius, use antenna height directly instead of using a slant height (and calculating the antenna height). This means sometimes the Slant height and Height will be shown and sometimes just the Height in dialogs and reports.
- In PPP, GLONASS is now selected by default.
- Correct decoding sites in Topcon TPS files.
- Fix some precise orbits providers who were no longer working.

2.21.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.21.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab

- Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.21.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.21.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

EZSurv® indicates there is no license after upgrading to 2.99. And EZSurv License Management still indicates there is one.

EZSurv® License Management was modified in 2.99 to generate a more stable computer ID. For most users, it still gives the same computer ID as before. Unfortunately for you, it did return a different computer ID for your computer. Read the red section above for the procedure how to fix this.

2.22 OnPOZ 2.98.374 – EZSurv® // May 2018

2.22.1 New features

- Add new mapping systems for **New Brunswick** and **Prince Edward Island**.
- Add geoid for **Portugal**.
- Import point averages in **Field Genius** as multiple occupations in EZSurv®.
- Add support for **SurvCE 5.06** (or better).
- Add **GEODE** antenna model.

2.22.2 Modified features

- The **Number of epochs** section for trajectories in **Process Summary** now contains more details when there is no site. Instead of just the number and percentage of solved epochs, it now gives number and percentage of epochs per category (**Fixed**, **Float**, **Pseudo-range** and **Failed**).
- When importing a site with multiple solution types from a **SurvCE** project, it will be marked as a **MIXED** solution type.

2.22.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.22.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South

- Stonex
- TechGeo
- Topcon
- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.22.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.22.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

2.23 OnPOZ 2.97.351 – EZSurv® // February 2018

2.23.1 New features

- Importing a u-blox native observations file (ubx) containing UAV events now generates an events file suitable for the **Events Interpolator**.

2.23.2 Modified features

- Events in the **Events Interpolator** are no longer limited to a millisecond precision. The output now displays 5 decimals to the GPS second.

2.23.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.23.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.23.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:

- License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
- License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.23.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

2.24 OnPOZ 2.97.331 – EZSurv® // September 2017

2.24.1 New features

- Add an option to fix GPS times collected by third-party applications when their GPS times are aligned with UTC (incorrect since this means leap seconds were not applied during conversion).
- Add a mapping for Belgium
- Add geoids for Ireland, Northern Ireland and United Kingdom.

2.24.2 Modified features

- Fix the **“Red Geodésica Nacional Activa de Uruguay”** base provider.

2.24.3 Removed features

- Remove **“RTKNetWest - Western Australia”** base provider.

2.24.4 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.24.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:

- Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.24.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.24.7 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check **“Use EZSurv mapping system instead of ArcGIS coordinate system”** in **Tools > Options > Format > Set**.

2.25 OnPOZ 2.97.301 – EZSurv® // June 2017

2.25.1 New features

- Add support for SurvCE 5.04.
- Add support for more SurvCE brands like SurvPC.

2.25.2 Modified features

- The base provider "**Ministere des Ressources naturelles et de la Faune du Quebec (MRNF)**" no longer requires a registration.

2.25.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.25.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG

- Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
 - NMEA data can obviously not be used for post-processing.

2.25.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.25.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

2.26 OnPOZ 2.97.271 – EZSurv® // April 2017

2.26.1 New features

- Add **ITRF2014** datum.

2.26.2 Modified features

- Add option **For dual frequency data, use only L1 frequency data** in **Process Parameters**.

2.26.3 Platform supported

- Computers (laptop, desktop or tablet) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.26.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.26.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:

- RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
- License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.26.6 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

2.27 OnPOZ 2.97.262 – EZSurv® // March 2017

2.27.1 New features

- Add an **Events Interpolator** to interpolate UAV positions at specific events from post-processed UAV trajectory, calculated using GNSS raw data recorded in-flight.
- Read RINEX 3.03 observation and orbit files.
- Read L5 (GPS) and E5a (Galileo) frequencies from observation files. Please note they are not currently used during calculation but are shown in **Analysis > Raw Observations**.
- Add two Japanese geoids.
- Add mappings for **Iowa Regional Coordinate System**.
- Add mappings in Thailand for Department of Land (DOL), Ministry of Interior and for Royal Thai Survey Department (RTSD), Ministry of Defense.

2.27.2 Modified features

- Add **Combined Scale Factor** in all **Analysis** report where the **Point Scale Factor** was already present (for UTM mappings only).
- Add **Scale Factor (Point Scale Factor and Combined Scale Factor)** in CSV for **Site Export**.

2.27.3 Removed features

- Remove support to ArcGIS 10.4 (or better). ArcGIS 10.3 and older versions are still supported.
- Remove base providers **ItalPoS (Italy)**, **MTS (Maine)** and **Pleaidess (Alberta)**.

2.27.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.27.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.27.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01, 3.02 and 3.03.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.27.7 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Problems related to the Regional and Language Options.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

Solution

Use only English (or other non-Unicode) characters in file and folder name

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

2.28 OnPOZ 2.96.191 – EZSurv® // October 2016

2.28.1 New features

- Add a **Signal-to-Noise Ratio** view (in **Analysis > Raw Observations**). Please note that this is unsupported for RINEX files (including downloaded base files).
- In **Site Export**, add **UTM Ground Coordinates**. It works only when a UTM projection is set and you need to fix both **Reference Elevation** and **Point Scale Factor**. There is a tool to calculate both of them by selecting sites from the project.
- Add **Import OnPOZ Field Data**. It detects OnPOZ projects collected on this computer using EZTag CE™, GNSS Control Panel or GNSS Driver for ArcPad. It also detects OnPOZ projects transferred on this computer using **Mobile File Manager**. You can then choose which project to import in EZSurv.
- Add MapGeo 2010 geoid.

2.28.2 Modified features

- All OnPOZ applications now display the OnPOZ installation version number (2.96.191 for instance). And for those receiving a BETA version, “BETA” is now displayed as part of the version number.
- It now properly opens OnPOZ Field Data projects (GPS, OBS, ORB, etc.) when all files were renamed manually.

2.28.3 Removed features

- Remove the **Waypoint** export from **Export > Trajectories**.

2.28.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.28.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.28.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01 and 3.02.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.28.7 Known Issues

Problem

On Japanese and other OS with Unicode characters in files and folder names cause problems.

Solution

Use only English (or other non-Unicode) characters in file and folder name

Problems related to the Regional and Language Options.

From the **Control Panel**, select **Regional and Language Options**:

- In the **Formats** tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format.
- Under the **Administrative** tab, select English as the language for non-Unicode programs.

You may see “ArcGIS version found is unsupported” when opening a GNSS Driver for ArcPad project.

We current support up to ArcGIS 10.3. At the moment, ArcGIS 10.4 (or better) is not supported. To remove the message, you need to check “**Use EZSurv mapping system instead of ArcGIS coordinate system**” in **Tools > Options > Format > Set**.

2.29 OnPOZ 2.96.133 – EZSurv® // June 2016

2.29.1 New features

- **EZSurv®** installation is now included in the new OnPOZ installation. All OnPOZ products are now available in the same installation. Starting with 2.96, all future versions will be installed directly over the existing one. But any OnPOZ applications older than 2.96 will still need to be removed manually before installing the new version.
 - **OnPOZ Maintenance & Technical Support Plan** is now part of the licensing mechanism. You will not be able to license a version released after the expiration of your Support Plan. However versions released before expiration of your Support Plan can still be licensed and will work as before.
- **OnPOZ Documentation** is now online. This means you will always have access to the latest revision of the documentation for your specific version.
- The OnPOZ installation no longer preinstalled any geoid model. The **Geoid Manager** was redone and you now have access to a large list of predefined geoid that will be downloaded on your computer when needed. You can still import geoid model manually when necessary.
- Add mapping systems for Indonesia.
- Add mapping systems for Wisconsin Coordinate Reference Systems (WISCRS).
- Add Web Mercator mapping system.
- Add Ordnance Survey OS Net base provider.
- Add support for ArcGIS 10.3.

2.29.2 Modified features

- Improvement on Hemisphere GNSS™ and CHC Navigation GNSS drivers.
- Adjustments to rules and messages while searching for observations files when you import an external data collector project (for FieldGenius™ and other collectors).
 - RINEX files are now fully supported when used by an external data collector project.

- **EZSurv®** no longer offers to update licenses when detecting an unlicensed receiver during import. However, you can now manually import a licenses file from **Options > Updates**.
- In **GIS Feature Summary**, auto-vertices from continuous lines or polygons may now be displayed.
- In **Process Summary**, the table for continuous lines or polygons now display **Number of points** columns.
- In **Export Features**, you can now turn off the output of the position layer (**POS** file).
- In **Export Features**, it is now possible to merge two (or more) files that overlap in time.
- In **Mapping System Editor**, add one more decimals on projections parameters and ellipsoids.

2.29.3 Removed features

- EZSurv no longer displays **EZSurv Language Selector** on the first start after an installation. It now starts in the language of the installation.
- It is no longer possible to import or export mapping systems in the **Mapping System Selector**.

2.29.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.29.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers:
 - Altus
 - Ashtech
 - BAP Precision
 - Carlson
 - CHC Navigation
 - ComNav
 - Eos
 - GENEQ
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Juniper Systems
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Satlab
 - Septentrio
 - SiRF
 - South
 - Stonex
 - TechGeo
 - Topcon

- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

2.29.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01 and 3.02.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.29.7 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

2.30 EZSurv® 2.95.2427 // August 2015

2.30.1 New features

- Add a **Batch Export**. With this feature, you can configure several exports to be run at the touch of a button or done automatically after a **Process Auto**.
- Add new fields to export to CSV in **Baseline Export**: Delta Height, Backward Azimuth Standard Deviation and Forward Azimuth Standard Deviation.
- Add a new option to export **Field Coordinates** within the **Site Export**. Basically, this will let you export site information seen in **Analysis > Survey Sites > Field Coordinates**.
- Add a mapping system for Finland.
- Add support for MNT grid files when reading geoids.

- Add support for Stonex SurvCE.
- Add support for receivers with u-blox M8.

2.30.2 Modified features

- Improvement on Topcon driver.
- It is now possible to select which ITRF to use in the **Datum Editor**.
- In **Observed Satellites** and **Number of Observed Satellites**, we now display grey areas. A grey area represents data rejected because there is no corresponding orbit or the satellite is under the mask angle.
- We have changed the file naming convention in **Baseline Export**, **Trajectory Export**, **Site Export**, **Rover PPP Export** and **Loop Export**. These exports will also share the same last used folder.
- The **Site Export** will now export sites using the same rules as in **Analysis > Survey Sites > Post-Processed Coordinates**. The site list within the dialog is also adjusted to display more useful information.
- The **GNSS Data Converter to RINEX** will now export Galileo and BeiDou orbits. The converter dialog and the result dialog where both modernized.
- It is no longer necessary to save the project before using **Export Features**.
- Adjust satellites colors in **Baseline Residuals**, **Trajectory Residuals** and **PPP Residuals** to have better contrast.

2.30.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

2.30.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Ashtech
 - Carlson
 - CHC Navigation
 - Effigis
 - Geneq
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Septentrio
 - SiRF
 - SouthGPS

- Stonex
- TechGeo
- Topcon
- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

Note 1: Some specific EZSurv® brands may have a restrictive list of native format supported.

2.30.5 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01 and 3.02.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.30.6 Limitations

- Version 2.95 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Control Panel or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.30.7 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

2.31 EZSurv® 2.94.2370 // November 2014

2.31.1 New features

- Add support for GMS (GeoMobileSolution) files from BAP Precision.
- Add several new base providers.
- Add some new predefined mapping systems.
- Add support for Carlson SurvCE 3.03 and 4.00.
- Add support for ArcGIS 10.2.

2.31.2 Modified features

- When importing a badly closed project collected with OnPOZ EZTag CE™ or OnPOZ EZField™, it will attempt a recovery of the files before adding them.
- In Process Parameters, change Process Interval options for a simple checkbox to set the minimum process interval to 1 second.
- It is now possible to easily select or unselect all base stations from a base provider.
- It is now possible to move a site occupation to a new site directly within the Project Manager.
- The Move Site Occupation dialog has been redone. The user must choose to move the site occupation to a new site or an existing site.
- When searching for base stations, skip base stations having a large hole in their data.
- Add Constellations and Constellations used in several Analysis views.
- Add Sampling Interval in Trajectory and Rover PPP exports.
- Since we are treating all ArcPad lines/polygons as discrete, import all positions selected by ArcPad. This way, we see the whole line/polygon in the Plan View, the GIS feature Summary and Export Features.
- Add an Open Export Folder button in the Export Features Report dialog.
- Improvement on Topcon and NVS drivers.
- GNSS Analyser modifications:
 - In Recent Window, rename Post-Processing Results tab to EZSurv.
 - All tags are displayed by default on Google Earth View and Quick View.

2.31.3 Deleted features

- Remove ASCII Geographic and ASCII Mapping in Site Export. These reports are superseded by the CSV export.
- It is no longer possible to rename a site from the Project Manager. It is only available from the Site Editor.

2.31.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8 or Windows 8.1.

2.31.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Ashtech
 - Carlson
 - CHC Navigation
 - Effigis
 - Geneq
 - Hemisphere GNSS
 - Hi-Target
 - ikeGPS
 - Javad
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Septentrio
 - SiRF
 - SouthGPS
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

Note 1: Some specific EZSurv® brands may have a restrictive list of native format supported.

2.31.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01 and 3.02.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:
 - Both RINEX and OPEN license fully support RINEX files.

2.31.7 Limitations

- Version 2.94 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Control Panel or GNSS Driver for ArcPad.

- To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.31.8 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

2.32 EZSurv® 2.93.2313 // January 2014

2.32.1 New features

- Add support for Galileo constellation (only for RINEX files at the moment).
- Add support for BeiDou constellation (only for RINEX files at the moment).
- Add support for 2013 Geo-Plus VisionTerrain files (require at least version 24.0.01d).
- Add support for NVS Technologies AG receivers.
- Add support for Australia AUSGeoid09 geoid files.
- Add support for RINEX 3.02 files.
- Add support for RINEX mixed GNSS orbit files.
- Add several new base providers.
- Add some new predefined mapping systems.
- Add licensing by computer. Two modes are available: RINEX and OPEN. The RINEX license supports importing any recognized RINEX files. The OPEN license supports importing any recognized GNSS receiver binary format and any recognized RINEX files.
- Add support for TAG files in GNSS Analyser. New views were added and existing view were adjusted to display features information.

2.32.2 Modified features

- Corrections to support latest MicroSurvey FieldGenius and Seismic Surveyor files.
- All application toolbars have been redone. They have bigger buttons and have been completely redrawn. Some functions were added while others were removed.
 - Other images in the rest of the application have been adjusted to reflect the new style of these toolbar buttons.

- Trajectory generation rules have been changed. It will use reference statics in priority over bases. It will also generate multiple trajectories in case the user has collected multiple statics used as reference for the same rover.
- **Observation File Time** now displays site time spans within rovers and semi-kinematics.
- **Precise Orbits** summary now display duration instead of end time.
- **Process Summary** has been changed:
 - Baseline information is displayed on a single line and the status column has been replaced by a simple marker when there are warnings for the baseline.
 - The percentage of solved epochs in trajectory information is calculated using the number of epochs within whole rover, not just the number of epoch within the trajectory. In practice, it means a trajectory covering 50% of the rover will at best produce 50% epoch solved.
- Several changes in **Project Manager**:
 - **Project**: This page was redone completely. Now, it displays a summary on the content of the project.
 - **Baseline/Site**: Info is displayed on a single line.
 - **Trajectory/PPP**: Replaced the processed column by a status column.
 - **Observations**: Add constellation, coverage, interval and serial number columns.
 - **Observations**: Indicate visually if a static is used as reference or not.
 - **Observations**: Turn on or off the use as reference for static directly within the contextual menu.
 - Add a status bar to all pages in the project manager.
- The type of RINEX observations files are detected during import so they are set to rover or static used as reference automatically.
- Add a new step during the import of a **GNSS Driver for ArcPad** project. It will validate if all shapefiles are found and display a list of all missing files if any are missing.
- In the **Site Editor**, add a filter to display only reference sites.
- In the **KMZ** export of **Export Features**, we now export the end time.
- Export data after a network adjustment will now indicate Network as solution type.
- Export Ellipse (2D + 1D) in four CSV exports: **Baseline Export**, **Trajectory Export**, **Site Export** and **Rover PPP Export**.
- Export Number of Satellites in three CSV exports: **Baseline Export**, **Trajectory Export** and **Rover PPP Export**.
- In **Export Features**, add an ESRI spatial reference model file (PRJ file). It will attach a copy of this PRJ file to all ESRI Shapefile exports.
- Apply several adjustments in the GNSS Analyser. Some of the most visible are:
 - Satellites and constellations have been reorganized in Parameters.
 - Google Earth view now present attributes with a better template.
 - Fix scales of Azimuth/Elevation graphics.
 - Lots of minor adjustment here and there.

2.32.3 Deleted features

- Cut and paste operations within the **Project Manager** has been removed.
- Remove database backup options. It was of limited use.

- Remove **Effigis** base stations provider.
- In **Export Features**, remove the Lines and Polygons Filters.

2.32.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7, Windows 8 or Windows 8.1.

2.32.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Ashtech
 - Carlson
 - CHC Navigation
 - Effigis
 - Geneq
 - Hemisphere GNSS
 - ikeGPS
 - Javad
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - NVS Technologies AG
 - Pentax
 - Septentrio
 - SiRF
 - SouthGPS
 - Stonex
 - TechGeo
 - Topcon
 - u-blox
 - UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.

Note 1: Some specific EZSurv® brands may have a restrictive list of native format supported.

2.32.6 RINEX files

- RINEX observations and orbits files are supported for the following version: 2.10, 2.11, 3.00, 3.01 and 3.02.
- The support for RINEX files depends on the licensing scheme:
 - License by GNSS receiver:
 - RINEX files are supported when it overlaps valid data from a licensed GNSS receiver.
 - License by computer:

- Both RINEX and OPEN license fully support RINEX files.

2.32.7 Limitations

- Version 2.93 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Control Panel or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.32.8 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

2.33 EZSurv® 2.92.2219 // May 2013

2.33.1 New features

- The new **Observation Time Span** view in **Analysis** is a tool to visualize observation time spans in order to have a better understand of what really happened in the field.
- There is a new **Base Stations Finder** tool to help you find the closest base station from any rover or site.
- The coordinate of a reference in the **Site Editor** and the **Global Sites Editor** can now be entered in Geographic (DMS or decimal degree), Mapping or 3D-cartesian coordinates.
- Add a new option in **Network** page to calculate auxiliary parameters in network adjustment.
- Add a new option in **General** page to display angles (latitude, longitude) in DMS or decimal degree within the whole application.
- Add a new option in **Data Files** page to automatically import coordinates from Global Site database. During import, any site with a name matching one in the Global Site database will automatically get its coordinates. It is equivalent to do **Import** manually in the **Site Editor**.
- Add a new option in **Data Files** page to search for broadcast orbits when importing an observation file that does not have a corresponding orbit file.
- Add new mapping system type: Lambert Conformal Conic at 1 Standard Parallel and Macao Local grid (internal).
- Add several new base providers.

2.33.2 Modified features

- Templates for documentation and installation have changed: new colors and in some case new style.
- It is no longer possible to start more than one instance of the application at a time.
- Icons in the Project Manager were redone bigger than before.
- Bases are now reserved for files downloaded from an official base provider.
 - Any base project imported from EZField™, GNSS Control Panel, SurvCE™ or Field Genius™ is now imported as static. However, these sites are marked use as reference automatically.
 - Site occupations within a base cannot be deleted and its time span cannot be changed.
- Static files now always have a site covering the whole time span. The site cannot be deleted and its time span cannot be changed.
- For all practical purpose, static with use as reference coordinates are treated like a base.
- It is now possible to deactivate base download for static. Simply set **Desired number of references per static** to zero in **Options > Combinations**.
- Major improvements during importing project:
 - Several types of files are now a lot faster to import and faster to use.
 - Rover and static files are detected automatically using sites information. For a file containing no site, you can choose the default file type in **Data Files**.
 - Importing a rover longer than 5 days will ask for a confirmation instead of refusing to download bases.
- Managing of base providers has been moved from **Tools > Options > Base** to **Tools > Base Stations > Providers Manager**.
 - The whole manager dialog was redone from scratch. It includes a lot more information than before.
 - A lot of base providers are pre-selected for you. You no longer need to add base providers before being able to use them.
 - You still need to select manually any provider that requires registration and enter user/password for them.
- The whole Pre-Process mechanism was rethought:
 - In the menu, all pre-process steps are now combined into a single menu item: **Pre-Process**. It is no longer possible to execute pre-process steps individually.
 - The new progress bar during pre-process give a lot more details about steps being done.
 - The **Pre-Process Summary** in **Analysis** has been replaced by the **Pre-Process Log**. The **Pre-Process Log** contains the same information displayed earlier in the progress bar and is cumulative.
 - Several rules were changed:
 - Base: If a favorite provider is set, it will find the closest base station with the favorite provider only. It will search the remaining active providers only if no matching base is found with the favorite provider or if no favorite provider is set.
 - Base: It will only download if it overlap completely the static, rover or semi-kinematic. So **Minimum overlap** in **Combinations** is now used only with files already in project.
 - Merge: It now can merge static reference, not just bases.
 - Baseline: It now generates pairs of sites coming from bases or statics only

- **Baseline:** The maximum distance is checked between any sites, not just when one of the pair is a base.
 - When a base is downloaded, the provider name is keep with the site and displayed in the **References** section of both **Analysis > Survey Sites** reports.
 - The provider name associated with a base can also be exported in CSV in **Tools > Export > Sites**.
- In the **Residuals** section of the **Network Adjustment Summary**, add occupation and solution type to all vectors.
- You can now delete individual trajectory sites. This is particularly useful for network adjustment when you need to delete a trajectory site with a high standard deviation.
- Local Grid projection was changed:
 - Remove the reference mapping system.
 - Add the altitude to make it 3D.
 - Add the possibility to use sites from the current project.
- The Mapping System type “Dutch RD Double Stereographic” is now internal only.
- Fix the problem when Export Features is not visible when it starts.

2.33.3 Removed features

- Remove the local or network folder provider. Users that keep a private base station will need to import them manually.

2.33.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7 or Windows 8.

2.33.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Ashtech
 - Carlson
 - CHC Navigation
 - Efficis
 - Geneq
 - Hemisphere GPS
 - ikeGPS
 - Javad
 - Kolida
 - Magellan
 - NavCom
 - NovAtel
 - Pentax
 - Septentrio
 - SiRF
 - SouthGPS
 - Stonex
 - TechGeo

- Topcon
- u-blox
- UniStrong
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.
- The current version supports RINEX 2.10 files when it overlaps valid data from above manufacturers.

Note 1: Some specific EZSurv® brands may have a restrictive list of native format supported.

2.33.6 Limitations

- Version 2.92 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Control Panel or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.33.7 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

2.34 EZSurv® 2.91.2127 // October 2012

2.34.1 New features

- This version can be installed on Windows 8 (Consumer Preview). At the time of this release, the full Windows 8 version had not been released and therefore it could not be fully tested.
- The observation page in the Project Manager includes the data type (RINEX for instance).
- The number of observed satellites view displays L1 carrier phase data and L2 carrier phase data.
- When converting observation/orbits files to RINEX, it is now possible to export in version 3 format. The default is still version 2.10.
- Process Summary now includes stats for GIS features: Points, discrete lines/polygons and continuous lines/polygons now have their own tables when any is present.

- There are new options in Export Features:
 - Output parent-child relations: export extra columns to link tables together.
 - Output milliseconds: export fraction of second of a GNSS time. A time field is normally limited to the second. The remaining fraction is exported in a new column.
- We added several new base providers:
 - Canada - Natural Resources Canada (NRCan).
 - Canada - Service New Brunswick (SNB),
 - México - Instituto Nacional de Estadística y Geografía
 - Portugal - Rede Nacional de Estacoes Permanentes (RENEP),
 - United States - Maine Technical Source (MTS),

2.34.2 Modified features

- For GNSS Driver for ArcPad users, detection for ArcGIS is now automatic. When present, it is used automatically. When not present, it now displays a dialog reminding you the mapping system need to be adjusted manually and helps you comparing both mappings.
- Hierarchy and shortcut names in the **Start > All Programs** have been adjusted for consistency over all installations and all supported operating system.
- Process Summary no longer displays sites statistics within rover when none is present.
- In GIS Feature Summary, replace the type column by a feature name column.
- Baselines and trajectories generation now requires at least a licensed file in the pair.
- Leap seconds are now handles seamlessly. Options to override the leap seconds in **Tools > Options > Time** page have been removed.
- Global sites database has been redesigned. Unfortunately, this means that global sites from previous version are no longer compatibles and you will need to fill the table again.
- Site import now only supports sites from the global sites. It no longer supports importing site directly from another project. If you need to transfer site coordinates from one project to another, open the old project in the application, export the sites you need in the Global Sites, reopen the current project and use the site import.
- ECEF positions in Inverse Computation and all CSV exports have been replaced by 3D-Cartesian coordinates (geocentric position in the current datum).
- The color within the Observed Satellite analysis view has been changed. The presence of data is now displayed in green and cycle slips are displayed in red.
- Automatic and manual processing will either display automatically the pre-process summary or the process summary depending on which is the most relevant.
- Several new fields can be exported in the CSV export for baselines, trajectories and PPP.
- Export Features has been modified:
 - The KMZ export now generates KMZ in the same language as the running application.
 - The KMZ export template has been modified and is now brandless.
 - It no longer supports merging data from different dictionary. If you want to merge two or more files, they must have exactly the same dictionary. Otherwise, it will only be possible to export them separately.

2.34.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista, Windows 7 or Windows 8 (Consumer Preview).

2.34.4 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Effigis
 - Geneq
 - Hemisphere GPS
 - Javad
 - Magellan
 - NavCom
 - NovAtel
 - Septentrio
 - SiRF
 - u-blox
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.
- The current version supports RINEX 2.10 files when it overlaps valid data from above manufacturers (see *Note 2*).

Note 1: Some specific EZSurv brands may have a restrictive list of native format supported.

Note 2: EZSurv® users using a hardware key as licensing mechanism can import RINEX 2.10 files at all time.

2.34.5 Limitations

- Version 2.91 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Mobile Services or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.34.6 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. 	Windows

- Under the **Administrative** tab, select English as the language for non-Unicode programs.

The initial size of the Export Features may not show the Export button properly on the bottom

Resize vertically the Export Features until the **Export** button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.

Windows

Missing bitmap on top of the GNSS/GIS properties page in Google Earth when viewing features exported in KMZ.

Please Install Google Earth 6.0 or better

Windows

2.35 EZSurv® 2.90.2064 // May 2012

2.35.1 Modified features

- The VGI Solutions provider has been renamed Effigis.
- Export Features now support exporting overlapping projects as long as they contain no line and no polygon.

2.35.2 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista or Windows 7.

2.35.3 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Effigis
 - Geneq
 - Hemisphere GPS
 - Javad
 - Magellan
 - NavCom
 - NovAtel
 - Septentrio
 - SiRF
 - u-blox
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.
- The current version supports RINEX 2.10 files when it overlaps valid data from above manufacturers (see *Note 2*).

Note 1: Some specific EZSurv brands may have a restrictive list of native format supported.

Note 2: EZSurv® users using a hardware key as licensing mechanism can import RINEX 2.10 files at all time.

2.35.4 Limitations

- Version 2.90 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Mobile Services or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.35.5 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows
Missing bitmap on top of the GNSS/GIS properties page in Google Earth when viewing features exported in KMZ.	Please Install Google Earth 6.0 or better	Windows

2.36 EZSurv® 2.89.2054 // March 2012

2.36.1 New features

- EZSurv® now supports French and Spanish.
- There is a new EZSurv Language Selector that is displayed the first time you start the application after installing a new version. It is also available from Windows menu.
- The Getting Started document is now available in English, French, Portuguese and Spanish.
- The User Guide document is now available in English and French.
- Add an Inverse Computation report. The Inverse Computation is a Survey report related to vector parameters between two specific sites.
- Add a new option to automatically import coordinates from Global Site database.

2.36.2 Modified features

- Major changes in Mapping Systems:
 - All datums now supports rate of changes for the seven transformation parameters.

- WGS84g1150 has been replaced by WGS84.
- All reports now display the long mapping system name and long datum name.
- Mapping System selection is now separate from edition.
- There are now two list of mapping systems to choose from: the predefined mapping systems and the user mapping systems.
- The predefined mapping systems come with the installation and are not editable by the user but are updated by the automatic update when the application starts. The list is updated regularly. If the mapping system you need is not present, please send a request to OnPOZ@cpatflex.com with as much details as possible about the missing mapping system.
- The user mapping systems are fully editable as before. However, datum parameters has changed, existing user mapping systems from previous version cannot be reused in 2.89.
- The Mapping System Selector displays the predefined mapping systems as a tree and the user mapping systems as a list. You can select the current mapping system from either of them.
- Major changes in loops:
 - Before, loops were only generated manually. Now they are only generated automatically.
 - The loop editor has been removed.
 - All loop edition operations from the plan view or the project manager has been removed.
 - Any change on any vector used by any loop will remove all the loops.
 - There is a new page in Options to control loop generation.
 - Loop generation can be requested manually at any time. It also can be configured to be generated right after an automatic processing.
 - The Loop Summary has been updated. This includes two brand new sections: statistics for all loops and vector used.
 - In the plan view, you can now only see the selected loop if one is currently selected in the project manager.
 - In the project manager, the loop page has been redone so columns correspond to the most relevant information about a loop in Loop Summary.
 - Loops can now be exported in Tools > Export > Loops.
- The automatic update was redone and is now more efficient.
- Export Features now export positions of any rover no matter what the data source.
- Reference sites are marked with a solid triangle in the site page of the project manager.
- Multiple improvements in handling FieldGenius data. The most obvious is each DAT file used by a RAW is now imported separately.
- Improve support for L2C observations.
- Improve baseline processing over long baselines. Baseline up to 150 km can now be processed with a high degree of confidence when observation windows are long enough.
- Improve PPP processing.

2.36.3 Removed features

- Common Vector Analysis report has been removed. This report is redundant because it is equivalent to the Loop Summary report when the number of segment per loop is set to two segments.

2.36.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Windows Vista or Windows 7.

2.36.5 Native GNSS format supported

- Support native formats from the following GNSS manufacturers (see *Note 1*):
 - Altus
 - Effigis
 - Geneq
 - Hemisphere GPS
 - Javad
 - Magellan
 - NavCom
 - NovAtel
 - Septentrio
 - SiRF
 - u-blox
- Typical SiRF data delivers only 1-3 m (RMS) in post-processed mode (SiRF chipsets that output carrier phase data can generate 0.30 m accuracy for post-processed positions)
- NMEA data can obviously not be used for post-processing.
- The current version supports RINEX 2.10 files when it overlaps valid data from above manufacturers (see *Note 2*).

Note 1: Some specific EZSurv brands may have a restrictive list of native format supported.

Note 2: EZSurv® users using a hardware key as licensing mechanism can import RINEX 2.10 files at all time.

2.36.6 Limitations

- Version 2.89 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv®, GNSS Mobile Services or GNSS Driver for ArcPad.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.36.7 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. Under the Administrative tab, select 	Windows

English as the language for non-Unicode programs.

The initial size of the Export Features may not show the Export button properly on the bottom

Resize vertically the Export Features until the **Export** button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.

Windows

Missing bitmap on top of the GNSS/GIS properties page in Google Earth when viewing features exported in KMZ.

Please Install Google Earth 6.0 or better

Windows

2.37 EZSurv® 2.88.1961 // August 2011

2.37.1 New features

- Add the new GNSS Analyser application. The GNSS Analyser is a planning as well as a QA tool for GNSS users.
- Baselines, trajectories, sites and PPP can be exported in CSV. The list of fields to export is now fully configurable for any CSV export and can be kept in reusable user configured profiles.
- Add a Global Sites Editor accessible from Tools > Global Sites.
- Add support for NavCom FieldGenius™ data collection software from MicroSurvey.
- Add support for NavCom Sapphire (SF-3040) receiver.

2.37.2 Modified features

- The interface for export baselines, trajectories, sites and PPP were simplified. They now uses predefined and user configured profiles instead of a list of options.
- The Site Coordinates report has been replaced by two new reports, both available from the Analysis > Survey Sites menu:
 - Field Coordinates: This is a report of original field coordinates for all sites in project.
 - Post-processed Coordinates: this is a report of post-processed coordinates for all sites in project.
- The Feature Summary has been renamed GIS Feature Summary. It displays only GIS Features. It no longer displays any sites. Use Analysis > Survey Sites menu to see site coordinates.
- The Site Import (accessible thru the Site Editor) has been redesigned.
- The Antenna Models now includes the ARP-measurement mark offset.
- Lots of changes related to geoids:
 - The current geoid model is now set per project instead of being global.
 - Geoid Models are now manipulated from the new Geoid Editor in Edit > Geoid instead of the Tools > Options.
 - A Find button is added within the Geoid Editor to find all possible geoids covering the data in your project.
 - <User undulation> is added as a pre-defined model for user who requires entering undulation manually for all sites.
 - Changing between two geoid models now preserves the MSL of all reference points (then reprocessing the project is required).

- In all Analysis views, display the geoid long name instead of the full path for geoid file.
- In all Analysis views, the MSL column is displayed when any geoid is selected (except <None>) and the Und (for undulation) column is only displayed when the <User undulation> geoid is selected.
- Add more feedback while importing GNSS data. The progress bar no longer seems to hang up while importing large files.
- Improve support for SIRF receivers.
- Some improvement has been implemented in Fix ambiguity Kinematic processing.

2.37.3 Removed features

- Session time has been removed. If you still need to see only a subset of files, we recommend creating a smaller project by importing just these files and post-process them again.
- The Planner application has been removed. The new GNSS Analyser application includes planning operation and more.

2.37.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Windows 7.

2.37.5 Limitations

- Version 2.88 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.37.6 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows
Missing bitmap on top of the GNSS/GIS properties	Please Install Google Earth 6.0 or better	Windows

page in Google Earth when viewing features exported in KMZ.

2.38 EZSurv® 2.87.1899 // March 2011

2.38.1 New features

- This version supports files collected by
 - MicroSurvey FieldGenius version 4.4 or better.
 - MapScenes Evidence Recorder version 7.2 or better.
 - MicroSurvey Seismic Surveyor version 1.1 or better.
- Remodeled the interface partially to be able to work either in differential or in PPP mode.
- Added support for the automatic download of broadcast and precise ephemeris.
- Added a precise orbits summary report to know which precise orbits are used when processing data.
- Added a file name generator to help choose a meaningful name when saving a project.
- Add support for Javad receivers.
- Added support for 2 new geoid:
 - Earth Gravitational Model 2008 (EGM2008) (little-endian files)
 - New Zealand Quasigeoid (NZGEOID09) (SID extension)

2.38.2 Modified features

- Some controls in Options > Format page were renamed. However, functionality is identical.
- A number of interface simplifications were implemented. This includes:
 - Adding more messages in the pre-process summary to make it more useful.
 - Removing some messages that were not so useful.
 - Reformatting most text analysis reports to a table look to make them easier to read.
 - Replacing some cryptic acronyms used in some reports by text easier to understand.
 - Simplified the automatic update process to remove information not needed by the user.
- Modified the project manager to display more details about the orbits present in a project.
- Exporting from the project manager does now the same operation as Export from the Tools menu.
- Streamlined and simplified the processing parameters management. That includes moving the options to download base station from Options > Base to the processing parameters.
- Separated the rejected satellites from the processing parameters.
- Residuals for baselines and trajectories are now always generated instead of being generated on request.
- Modified the plan view to make some items easier to read.
- Major rewrite of the user manual.

2.38.3 Removed features

- Removing the whole selection system. You may still highlight a group of items in the project manager to execute a specific operation on them. But the whole Select menu and checkboxes on the project manager have been removed. It now acts like all items are selected all the time.

- Removed override processing parameters for each object that can be processed. There is now only one set of processing parameters for the whole project.
- Removed some Options in Combinations:
 - Define baselines/trajectories. Both are now always created whenever possible.
 - Minimum overlap for trajectory is now only available in percentage.
 - Remove checkbox about creating point positioning trajectory. Obsolete with the new PPP mode.

2.38.4 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Windows 7.

2.38.5 Limitations

- Version 2.87 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.38.6 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows
Missing bitmap on top of the GNSS/GIS properties page in Google Earth when viewing features exported in KMZ.	Please Install Google Earth 6.0 or better	Windows

2.39 EZSurv® 2.86.1807 // September 2010

2.39.1 New features

- The datum editor is now available directly from the Tools menu. It is still available within the Mapping Systems.
- Export baselines now support a new format: SurvGNSS vector. These files can be imported within SurvNET.

2.39.2 Modified features

- Speed up the display of baseline or trajectory residuals.
- Leap seconds are now adjusted automatically.
- Mapping System Selection is now display projected systems and geographic systems separately.
- File | Data Files is no longer available. It was obsolete. Use Import within the project manager Observations to import your files, or drag and drop files in the project manager.
- Network adjustment is now unselected by default. To activate, go in Tools | Options | Network and check "Automatically adjust network after automatic processing".
- The site occupation validator is now unselected by default. To activate, go in Tools | Options | Limits and check "Activate site occupation distance validation".

2.39.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Windows 7.

2.39.4 Limitations

- Version 2.86 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.39.5 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows

The initial size of the Export Features may not show the Export button properly on the bottom

Resize vertically the Export Features until the **Export** button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.

Windows

2.40 EZSurv® 2.85.1784 // July 2010

2.40.1 New features

- This version supports files collected with Carlson SurvCE™ 2.50, including RW5 files and raw observation and orbit files required for post-processing.
- This version supports Ashtech ProMark 500 files.
- Add a new trajectory site comparison report under Analysis | Trajectory. This report compares unprocessed and post-processed positions for trajectory sites.
- Export Features has a new Measure Unit options.

2.40.2 Modified features

- This version now properly supports non-metric measures.
- The Observations node is now selected automatically when opening the project manager so the user can drag and drop observation files directly in EZSurv® as soon as the application starts.
- Shapefile options are no longer set from the main menu. They are now access within EZSurv® Options.
- Both trajectory and baseline residual views now display code carrier phase and doppler residuals separately.
- Add a process parameter option to force an L1 solution for baselines within a predefined distance.
- The trajectory summary now reports epoch count and epoch used in site list.
- There are some changes in the Plan View:
 - Post-processed positions are drawn in green while unprocessed positions are drawn in red.
 - The size of rover symbols was adjusted.
 - Rules for drawing error ellipse for positions were changed.
- The management of antenna model has been reviewed:
 - The antenna models editor is now a separate editor and is accessed under Edit | Antenna.
 - Antenna models are kept per project. Default antenna models for new projects are edited separately.
 - Sites share a single antenna model with the rover to which it is attached. So changing the antenna model of the rover or any of its sites will change the antenna model of all of them.
- Planner has been updated:
 - It now properly supports non-metric measures.
 - It now downloads almanac automatically.
 - Obstructions have been removed.
- Export Features has been updated:
 - It now properly supports non-metric measures.

- The RMS filter is replaced by an accuracy filter. It is now calculated in planimetry only and uses 1, 2 or 3 sigmas as accuracy factor.
- The content of all standard deviation columns exported are multiplied by the accuracy factor.

2.40.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Windows 7.

2.40.4 Limitations

- Version 2.85 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.40.5 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	From the Control Panel , select Regional and Language Options : <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows

2.41 EZSurv® 2.80.1727 // March 2010

2.41.1 New features

- This version runs properly in user mode. This means it no longer requires turning off User Account Control (UAC) on Microsoft Vista or Windows 7.
- In Export Features, Google Earth KMZ was added to the output formats.
- The Plan View now displays error ellipses associated to each position of the trajectory. Options are available to set the ellipses display.
- GEOID09 (USA) models were added to the default set of geoids. Previous versions GEOID03 and GEOID06 are still included.

- When RINEX files are downloaded through base station providers, the antenna model indicated in the base station file can be automatically loaded in addition to the base station antenna height. It will be loaded if this antenna model matches exactly one of the antenna model name listed in the predefined antenna models file.

A new GNSS sub-foot calculator is now available. Its benefit is mainly for data collected in obstructed environment. In this version, it has to be enabled manually otherwise the regular calculator is used.

To use the new calculator:

Close all projects: **File > Close** (for changing default for new project, otherwise not required)
Change project solution type: In **Edit > Process Parameters > Advanced**, set **Differential solution type** to **L1 (float)** or **L3 (float)** and press **OK**.

To use the regular calculator:

Close all projects: **File > Close** (for changing default for new project, otherwise not required)
Change project solution type: In **Edit > Process Parameters > Advanced**, set **Differential solution type** to **Automatic** and press **OK**.

2.41.2 Modified features

- The bug with base station file download and file merging that came out in January 2010 is fixed.
- The Raw Observations Analysis View was modified to display in separate views all types of pseudorange observations (L1C/A, L1P, L2C, L2P) contained in the file.
- In the Plan View, the previous maximum of 1000 positions for each rover file was removed. All positions in a rover file can now be displayed in the Plan View.
- For Base Station Providers which require a username and password, the username and password are now validated with the Provider when the user clicks OK to close the Base Station Provider Properties window. In previous versions, the validation step was performed at the first base station download request.
- Improvements were made in reading RINEX v.2.11 and Compact RINEX files.
- The Antenna Models window was modified to allow users to load their own predefined antenna models file. Antenna models in the file must be NGS (U.S. National Geodetic Survey) format. The NGS file is still provided with EZSurv and is the default source of predefined antenna models.
- In the Feature Summary, columns were added to display the position's ellipsoid height and standard deviations for horizontal and height components. Only horizontal position was displayed in previous versions.

2.41.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Windows 7.

2.41.4 Limitations

- Version 2.80 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.

- To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.41.5 Known Issues

Problem	Solution	Platform
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows

2.42 EZSurv® 2.71.1677 // December 2009

2.42.1 New features

- This version is compatible with EZTag CE™ 2.71 and EZField™ 2.71.

2.42.2 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Microsoft Windows 7.

2.42.3 Limitations

- Version 2.71 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.42.4 Known Issues

Problem	Solution	Platform
Some applications don't start or don't behave correctly on Windows Vista.	<p>This may be caused by the User Account Control (UAC) on Windows Vista. The workaround is to turn off UAC as follows:</p> <ul style="list-style-type: none"> • From the Control Panel, select User Accounts then Turn User Account Control on or off • Uncheck the box entitled Use User Account Control (UAC) to help protect your computer 	Windows Vista
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows

2.43 EZSurv® 2.70.1667 // November 2009

2.43.1 New features

- Scan for bases now searches base stations for static projects. In previous version Scan for bases was effective only on rover (kinematic and semi-kinematic) projects. You can choose how many base stations you desire per static.
- The Geoid Manager can now import geoid files from text (ASCII) format. See the Geoid Manager User Guide for details.
- NavCom SF-3050 GNSS receivers are now supported as a technology preview.
- The following geodetic datums and corresponding geographic mapping systems have been added:
 - **WGS84g1150**. The “WGS84g1150” naming represents more explicitly the WGS84 (G1150) datum effectively used to collect GNSS data.
Important: this replaces the “WGS84” datum and the “GEO” mapping system.
 - **NAD83c9602**. This is the NAD83 (CORS96 Epoch 2002.0), used in the USA.
 - **NAD83csrs**. This is the NAD83 CSRS (Epoch 1997.0), used in Canada.
- The “DUTCHRD” mapping system template has been added in order to support the RD projection in Netherlands. This can be used in conjunction with the nlgeo04 (NAP) geoid to effectively yield coordinates in the RDNAP coordinate reference system.
- There is a new export format for trajectories: export velocities.
- Windows 7 is now supported.

2.43.2 Modified features

- The WGS84 datum has been renamed WGS84g1150 and the GEO mapping system has been renamed WGS84g1150.
- Base station coordinates are now all properly transformed to WGS84 (G1150), by applying the appropriate geodetic datum transformation.
 - Details: providers of base station data (such as CORS) have diverged from the strict RINEX standard, by encoding base station coordinates using geodetic datums other than WGS84. In previous versions, EZSurv always assumed strict adherence to RINEX and read these coordinates as if they were expressed in WGS84. The change in this version is that the coordinates are transformed from the datum chosen by the provider, to the WGS84 (G1150) datum.
 - Example: in the case of CORS, the base station coordinates are expressed in NAD83 (CORS96 Epoch 2002.0) in the RINEX files, but are now automatically converted to WGS84 (G1150) by applying the appropriate geodetic datum transformation. In EZSurv you can still select which mapping system to use for viewing the coordinates of the base stations, for instance you can pick NAD83c9602 (NAD83 CORS96 Epoch 2002.0) in the Site Editor.
 - Remark: since all base station coordinates are properly transformed and unified to WGS84 (G1150), you can safely mix base stations from multiple providers (e.g. with base station coordinates expressed in various datums).

- Base station providers have been upgraded for centralized management at the OnPOZ server. This means that EZSurv® will generally benefit with updates and upgrades to the base station providers without requiring software updates, for instance when a new provider is added.
 - Note: make sure you configure your base station providers after installing this version, as some settings might be lost by the new installation.
- The Refresh button has been removed in Options > Base > Add... and Options > Base > Properties... The list of base stations for a provider is now automatically refreshed.
- When generating baseline combinations, no baseline is automatically generated between any pair of bases.

2.43.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP, Microsoft Windows Vista or Microsoft Windows 7.

2.43.4 Limitations

- Version 2.70 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.43.5 Known Issues

Problem	Solution	Platform
Some applications don't start or don't behave correctly on Windows Vista.	<p>This may be caused by the User Account Control (UAC) on Windows Vista. The workaround is to turn off UAC as follows:</p> <ul style="list-style-type: none"> • From the Control Panel, select User Accounts then Turn User Account Control on or off • Uncheck the box entitled Use User Account Control (UAC) to help protect your computer 	Windows Vista
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can	Windows

be done once.

2.44 EZSurv® 2.60.1641 // August 2009

2.44.1 New features

- A new tool called **Export Features** allows exporting of EZTag CE™ and EZField™ projects to ESRI Shapefile (SHP), AutoCAD DXF and ASCII CSV formats.
- Automatic updates from the OnPOZ server are now included to update some data files used by EZSurv®.
- New base station providers are available from the automatic updates and currently include EUREF, GREF and IGS.
- Editing of geoid models is now done through a new tool called **Geoid Manager** and integrated through the **Edit** button from **Tools > Options > Geoid** and through the **Export Features**.
- A new software-based licensing mechanism is available, in addition to the hardware key model.
- Added supports for several data intervals smaller than 1 second. Namely, 0.01, 0.02, 0.04, 0.05, 0.10, 0.20, 0.25 and 0.5 second are now supported.

2.44.2 Modified features

- Antenna models feature now accepts antenna phase center offsets for L1 and L2 frequencies. In addition, predefined antenna models can be directly imported from the National Geodetic Survey (NGS) antenna models list (automatically downloaded).
- Fixed were made to the export of sites to RINEX.
- Fix some problems on OS with Unicode characters.

2.44.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP or Microsoft Windows Vista.

2.44.4 Limitations

- Version 2.60 cannot be installed on the same PC with a different version of EZTag CE™, EZField™, EZSurv® or GNSS Mobile Services.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software then (b) install the version that you wish to use.

2.44.5 Known Issues

Problem	Solution	Platform
Some applications don't start or don't behave correctly on Windows Vista.	This may caused by the User Account Control (UAC) on Windows Vista. The workaround is to turn off UAC as follows: <ul style="list-style-type: none">• From the Control Panel, select User Accounts then Turn User Account Control on or off	Windows Vista

	<ul style="list-style-type: none"> • Uncheck the box entitled Use User Account Control (UAC) to help protect your computer 	
On Japanese and other OS with Unicode characters in files and folder names cause problems.	Use only English (or other non-Unicode) characters in file and folder name	All
Problems related to the Regional and Language Options.	<p>From the Control Panel, select Regional and Language Options:</p> <ul style="list-style-type: none"> • In the Formats tab, use English or at least make sure that Number, Time and Date do not have special non-Unicode characters. Ideally use custom settings for those as in the English format. • Under the Administrative tab, select English as the language for non-Unicode programs. 	Windows
The initial size of the Export Features may not show the Export button properly on the bottom	Resize vertically the Export Features until the Export button is completely visible. Since the program remembers the size and position of the dialog, it can be done once.	Windows

2.45 EZSurv® 2.55.1606 // March 2009

2.45.1 New features

- Added support for GNSSP projects collected using the GNSS Driver for ArcPad.
- Added a Precise Point Positioning module (PPP) for single point-positioning trajectories.
- Added support for IGS's precise satellite clocks format.
- Added support for Septentrio™ and Navcom™ binary format.

2.45.2 Modified features

- Opening a project now takes a backup copy of the field data files. The backup file names are post-fixed with _RT*i* where *i* is the number of the backup, starting at 1 for the initial field data collection, and incrementing with subsequent field data collections.

2.45.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP or Microsoft Windows Vista.

2.45.4 Limitations

- Version 2.55 cannot be installed on the same PC with a different version of EZTag CE™, EZField™ or EZSurv®.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software (EZTag CE™, EZField™, EZSurv® or Graphics) then (b) install the version that you wish to use.
- A hardware key that includes a GLONASS license will not work with versions prior to 2.51.

2.45.5 Known Issues

Problem	Solution	Platform
<p>GLONASS observations collected prior to January 1, 2008 and processed using precise orbits (SP3) may yield erroneous results.</p> <p>The cause of this problem is that the SP3 files do not contain the frequencies of the GLONASS satellites. EZSurv includes a table that contains the frequencies of the GLONASS satellites since January 1, 2008 only.</p>	<p>Use regular GLONASS orbits to process data collected prior to January 1, 2008. Use SP3 orbits only for data collected since January 1, 2008.</p>	<p>All</p>

2.46 EZSurv® 2.51.1579 // October 2008

2.46.1 New features

- Added support for GLONASS satellites in addition to GPS satellites.
- Added support for loading .PDC files created by the NovAtel DL-V3.
- Added support for the .BYN geoid format. Also added HTMVBC00.byn (Vancouver) as part of the default set of geoids.

2.46.2 Modified features

- Reduced the likelihood that a Refresh on a base station provider (such as CORS) causes a warning message. The Refresh operation will now be generally faster on all providers (and much faster on CORS). However the Properties button on a specific base station may be a bit slower since it now uses your Internet connection to fetch the description of the base station.
- Modified the Observed Satellites, Number of Observed Satellites and Residuals views. The popup menu for each view now includes a constellation filter. Some options were moved to the popup menu and all options dialogs were redone.
- The residuals views now have a new option to fix the residual value range to some predefined limits. In effect, this is a zoom on the vertical axis.
- The process parameters have a new section for choosing GNSS Observation Type. GPS is always selected. GLONASS processing may be toggled on or off per project.
- Baseline and trajectory summaries now include GLONASS satellites in the report.
- Process, baseline and trajectory summaries now include the type of observation.
- Remove the "Process unhealthy PRN" checkbox in Process Parameters.
- All Prints are now in color. Even on a non-color printer, they are shown in shades of grays instead of the original black and white.

2.46.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows XP or Microsoft Windows Vista.

2.46.4 Limitations

- Version 2.51 cannot be installed on the same PC with a different version of EZTag CE™, EZField™ or EZSurv®.
 - To switch to a different version on your PC: (a) uninstall all OnPOZ software (EZTag CE™, EZField™, EZSurv® or Graphics) then (b) install the version that you wish to use.
- A hardware key that includes a GLONASS license will not work with versions prior to 2.51.

2.46.5 Known Issues

Problem	Solution	Platform
GLONASS observations collected prior to January 1, 2008 and processed using precise orbits (SP3) may yield erroneous results. The cause of this problem is that the SP3 files do not contain the frequencies of the GLONASS satellites. EZSurv includes a table that contains the frequencies of the GLONASS satellites since January 1, 2008 only.	Use regular GLONASS orbits to process data collected prior to January 1, 2008. Use SP3 orbits only for data collected since January 1, 2008.	All

2.47 EZSurv® 2.40.1521 // April 2008

2.47.1 New features

- 4 new base station providers were added : Australian Regional GPS Network (ARGN), Oregon Real-Time GPS Network (ORGN), Pleiades Data Corp. (Alberta, Canada) and PositionNZ (New Zealand)
- Introduce the new OnPOZ Technical Support Plans. This includes hardware key registration and documentation.

2.47.2 Modified features

- Support new geoid formats. Latest geoids for Canada and USA are included and old ones are no longer installed. However, old geoid formats are still supported even if they are no longer included.
- Change several default values in Options:
 - In the plan view, change default background color and symbol size.
 - Display project manager as default startup view.
 - Local time is the default time format.
 - In combinations, do not generate baselines par default.
- A more explicit message when nothing is processed. Especially when no base station was downloaded because of a provider error.
- Replace the "Modified project file" dialog with a simple warning. Adjust rules so the warning is shown only when really required.

- Simplify the “Missing project file” dialog. Also, the choices are slightly different depending if sites are present in project or not.
- Better error handling for the Batch Processor.
- Fixed some problems.

2.47.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows 2000, Microsoft Windows XP or Microsoft Windows Vista.

2.47.4 Known issues list

Problem	Solution	Platform
Refresh on CORS base station provider may timeout for 30 seconds. The Cancel button has no effect. The timeout may appear 2 or 3 times for a single Refresh.	<p>Wait for the timeout to complete. The Cancel button has not effect.</p> <p>This problem has no impact on the capability to post-process using the CORS provider.</p> <p>This problem only impacts the capability to inspect the properties of individual base stations. If really need to inspect the properties of individual base stations, then you can click Refresh again and wait for timeout to complete, until the base station for which you need to view the properties has actually been refreshed. For more information please consult the knowledge base or contact OnPOZ Technical Support.</p>	Windows 2000, Windows XP, Windows Vista

2.48 EZSurv® 2.30.1500 // December 2007

2.48.1 New features

- This version introduces the new OnPOZ branding.
- Improvements of the positioning engine associated to difficult environments.
- Added an option for post-processing field projects that span more than 5 days.
PLEASE USE WITH CARE: we still recommend that you do not collect data for more than 5 days in a single field project. This new option, called **Abort when getting bases for rover more than X days**, is available under **Tools / Options... / Base**. The default value (5 days) will work as in the previous versions of EZSurv®.

2.48.2 Modified features

- The base station provider VIASAT GeoTechnologies has been renamed **VGI Solutions**.
- Removed Graphics, Base Station and some other minor tools from the EZSurv® distribution. These applications are now only available on extended support for existing customers who used these applications in the past. These customers may contact OnPOZ Technical Support for an updated copy.
- Fixed some problems.

2.48.3 Platform supported

- Computers (laptop or desktop) running Microsoft Windows 2000, Microsoft Windows XP or Microsoft Windows Vista.

2.49 EZSurv® 2.23.1482 // May 2007

2.49.1 Modified features

- Fixed some problems.
- Improved OTF Core engine for GNSS trajectory processing.
- Fixed some problems in OTF Core Engine.

2.49.2 Known issues list

Problem	Solution	Platform
EZSurv® will not install under Data Execution Prevention (DEP).	The EZSurv® installation program warns if the Data Execution Prevention (DEP) is enabled on the PC where it is being installed. Disable DEP before installing.	Windows XP, Windows Vista

2.50 EZSurv® 2.22.1472 // September 2006

2.50.1 New features

- Added the **File / Archive project** menu to enable archiving of the current project, and the **File / Open archived project** to reopen an archived project. An archive project is stored in .ZIP file and allows moving a project from one computer to another without regard to the directory structure of the data on both computers.

2.50.2 Modified features

- Fixed some problems.
- Removed the **Utilities** program.

2.50.3 Known issues list

Problem	Solution	Platform
EZSurv® will not install under Data Execution Prevention (DEP).	The EZSurv® installation program warns if the Data Execution Prevention (DEP) is enabled on the PC where it is being installed. Disable DEP before installing.	Windows XP, Windows Vista

2.51 EZSurv® 2.21.1458 // March 2006

2.51.1 New features

- Added Number of satellites cutoff filter in process parameters.

2.51.2 Modified features

- Fixed some problems in OTF Core Engine.

2.52 EZSurv® 2.21.1446 // December 2005

2.52.1 New features

- Added loop summary report.
- Added loop closure analysis from fixed coordinates (open loop).
- Added list of satellites used in the calculation in baseline and trajectory summaries.
- Added RDOP in the baseline summary.
- Added project summary report.
- Added DXF export for sites.
- Added SIRGAS - IBGE datum template.
- Added scale factor and central meridian with UTM coordinates in baseline and trajectory summaries.

2.52.2 Modified features

- Fixed some problems in OTF Core Engine.

2.53 EZSurv® 2.20.1394 // January 2005

2.53.1 New features

- Added new module for batch processing.

2.53.2 Modified features

- Fixed few problems related to baseline processing.
- Improved OTF Core engine for GNSS data processing using Doppler measurements.
- Fixed some problems related to binary data import.
- Fixed some problems in data export from Graphics module.
- Fixed some problems in OTF Core Engine.

2.54 EZSurv® 2.20.1389 // November 2004

2.54.1 New features

- Added Chi-Square test in the network adjustment module.
- Added baseline RMS in the baseline summary.
- Added online registration for GNSS receivers.

2.54.2 Modified features

- Fixed some problems related to the network adjustment module when using reference stations sigmas.
- Improved OTF Core engine for GNSS data processing using Doppler measurements.

2.55 EZSurv® 2.20.1378 // October 2004

2.55.1 New features

- Added reference site sigmas;
- Added support for Antaris binary data

2.56 EZSurv® 2.20.1374 // September 2004

2.56.1 New features

- Added network analysis tolerance criteria.
- Added static segments processing parameter.
- Added support for binary data formats: Garmin, CSI, CMC Binary, NovAtel, Ashtech, Trimble and SIRF.

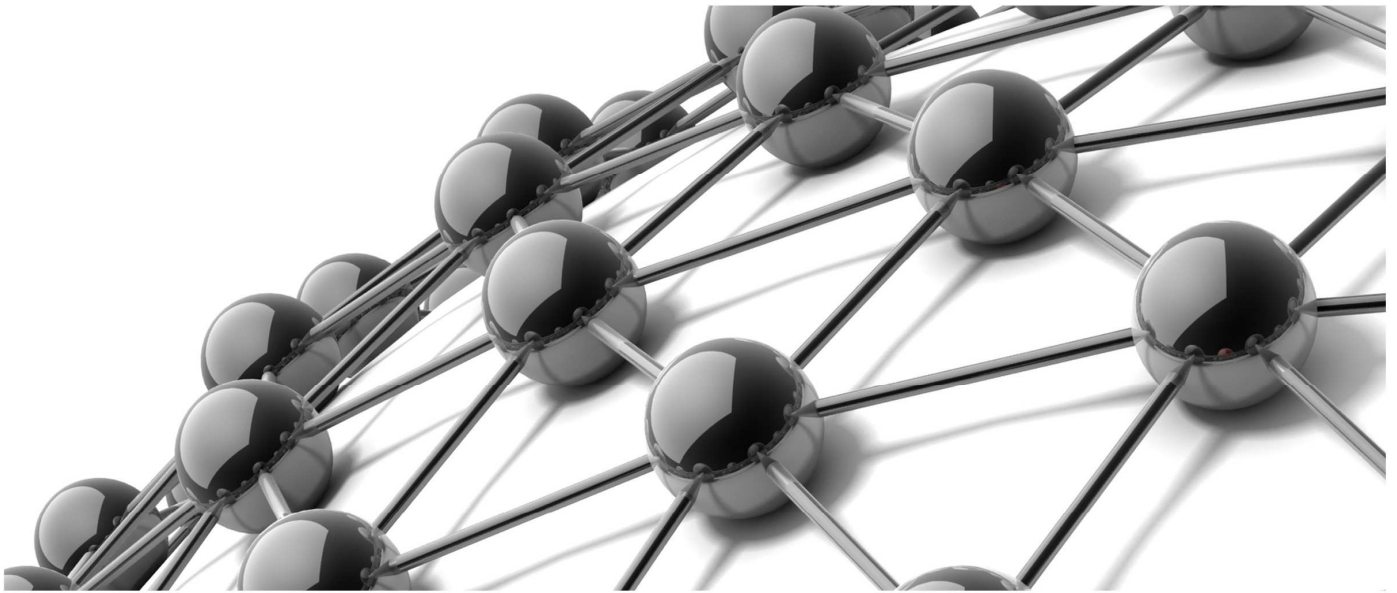
2.56.2 Modified features

- Improved network adjustment module, it is now possible to presents results using 68% confidence level.
- Improved RINEX files decoding compatibility.
- Improved computed position standard deviation.
- Improved site export output.

2.57 EZSurv® 2.10 // April 2003

2.57.1 Modified features

- Improved UI stability and reliability.
- Minor fixes on semi-kinematic sites.



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