



# ***FGPS International***

DWC Business Centre, Dubai World Central, Dubai, UAE, PO BOX 390667  
Tel: +44 (0)7793 611 932

## **P1Tools Release Notes**

Date: 24/11/2018

Version: 14.64

<b>No.</b>	<b>Module</b>	<b>Description</b>
1	General	Improved handling of Nadcon transformations.
2	QC Streamer Depths	Bugfix: specified SP range was not being used.
3	TASTE	Bugfix: Trend plots not displayed.
4	Replay	Display can now be oriented up or across.
5	Replay	Added option to display hint of record info on mouse over node.
6	Extract	Bugfix: Corrected handling of multiple files.
7	Convert	Now allows input and output CRS to be the same.
8	Preplot	Improved shapefile output, SPs now added as M-values where appropriate.
9	Postplot	Improved shapefile output, SPs now added as M-values where appropriate.



Date: 26/09/2018

Version: 14.63

No.	Module	Description
1	All Modules	Old UKOOA concept of datums and single projection now replaced by EPSG CRS based model.

Date: 19/06/2018

Version: 14.62

No.	Module	Description
1	Postplot	Bugfix: Line change not handled correctly when creating DXF files.

Date: 19/06/2018

Version: 14.61

No.	Module	Description
1	Projects	Some default settings changed.
2	QC Offsets	Added check for missing line terminator in last line of file.
3	QC Streamer Depth	Bugfix: Receiver plot not working if only some receivers selected for plotting.



Date: 06/06/2018

Version: 14.60

No.	Module	Description
1	Postplot	Bugfix: Line change not handled correctly when creating Polyline M files.

Date: 03/06/2018

Version: 14.59

No.	Module	Description
1	Preplot	Bugfix: Polygon file selection sometimes not working.
2	Preplot	Bugfix: OBN source polygon was not being read from file.

Date: 03/06/2018

Version: 14.58

No.	Module	Description
1	QC Nodes	Improved handling when nodes not appearing in every shot.
2	QC Offsets	Improved handling for P1/11 databases.
3	Preplot	Updates for OBN surveys



Date: 18/05/2018

Version: 14.57

No.	Module	Description
1	General	Improvements to P1/11 and zip file handling in most modules.
2	Convert	Now gives indication to use CRS manager if selected P190 file has no header.
3	Merge	Output file is now always named after line name in file.
4	Merge	Bugfix: was outputting duplicate receiver records.
5	Geographic Overlay	Module deprecated.
6	Streamer Steering Simulator	Module deprecated.
7	User Manual	Updated.
8	TA	Improved handling for P1/11 QC databases.



Date: 01/05/2018

Version: 14.56

No.	Module	Description
1	Postplot	Bugfix: Node config file name not saved if changed.
2	Postplot	Now allows multiple input files to be written to separate files for KML/Shapefile output.
3	Postplot	KML placemarks can now optionally display node Id and/or SP.
4	CRS Manager	Can now import ".geo" files.
5	Merge	GUI improvements.

Date: 05/04/2018

Version: 14.55

No.	Module	Description
1	User Manual	Updated.



Date: 29/03/2018

Version: 14.54

No.	Module	Description
1	QC Offsets	Source tracking much more robust, sources should now be separated by a comma.
2	QC Streamer Depth	Changed CSV file first cell from "ID" to "Id" to handle Excel bug.
3	QC Streamer Depth	Now includes actual spec in CSV file header row.
4	QC Receiver Interval	Added option to auto-name CSV file.
5	Convert	Module updated to implement EPSG.
6	Postplot	Module updated to implement EPSG.
7	Tide	Module updated to implement EPSG.
8	Merge	Bugfix: was not merging on manually picked points after initial run.
9	Merge	Bugfix: was not updating plot after changing line selection.
10	Merge	Now allows file processing without merging.



Date: 01/01/2018

Version: 14.53

<b>No.</b>	<b>Module</b>	<b>Description</b>
1	Extract	Bugfix: Ensure last rx record of last streamer properly terminated.
2	Extract	Bugfix: Removed spurious characters from H1100 header record.
3	Extract	Bugfix: Corrected handling of user specified shot range.



Date: 11/12/2017

Version: 14.52

No.	Module	Description
1	QC Offsets	Bugfix: Now correctly handles source sequence checking for P1/11.
2	Utilities - Header Comparison	Now supports multiple files and saves report to reports folder.
3	Extract	Bugfix: Corrected handling of P1/11 rx records.
4	Preplot	Updates poly file name in parms if changed when prompted to save.
5	Preplot	Improved P1/11 output.
6	Preplot	Now reports delta azimuth for doglegs.
7	Preplot	Now writes leg distance, azimuth and delta azimuth to polylineM shapefile when legs are written as separate lines.
8	Concatenate	Improved extraction of shot numbers and times for display in file list.
9	Merge	Additional output options.





Date: 21/11/2017

Version: 14.51

No.	Module	Description
1	P190	Antenna records now have id assigned from "src" column if "other" column empty.
2	P190	Added special handling in 'Z' records for gun and NFH ids in columns 14-16.
3	Application Options	Added option to assume P190 format if this can not be determined by inspecting the file (on by default).

Date: 10/11/2017

Version: 14.50

No.	Module	Description
1	Merge	New module for merging overlapping lines.
2	Convert	Now handles zip files.

Date: 06/11/2017

Version: 14.49

No.	Module	Description
1	TASTE	Bugfix: Sometimes crashed when opening plots.



Date: 24/10/2017

Version: 14.48

No.	Module	Description
1	Project	Save "Shot count for config node searches" setting in project file.
2	QC integrity	Improved source tracking.
3	Postplot	Geographic coordinates now written to 8dp.

Date: 31/08/2017

Version: 14.47

No.	Module	Description
1	QC	Line selection dialog now always shows correct sequence and line name.
2	QC Streamer Depths	Corrected streamer sorting in report.
3	Replay	Can now handle larger number of nodes per shot.
4	Preplot	Now handles exclusion polygons for 3D and 3D Segmented preplot.
5	Various	P1 list now includes FSP and LSP.



Date: 05/08/2017

Version: 14.46

No.	Module	Description
1	All Modules	P1/11 reader can now handle files larger than 2GB.
2	Streamer Depth QC	Bugfix: percentage receivers on a streamer out of spec not being reported.

Date: 20/06/2017

Version: 14.45

No.	Module	Description
1	Replay	Bugfix: Was displaying waypoints twice when processing P190 files.
2	Replay	Bugfix: Zooming with mouse wheel was not working correctly on Windows 10.
3	TASTE	Bugfix: was not loading node QC config file.



Date: 01/05/2017

Version: 14.44

No.	Module	Description
1	Preplot	Bugfix: Was not recalculating 3D Segmented after editing polygon.
2	Preplot	Bugfix: Access violation writing coastline to DXF.

Date: 24/04/2017

Version: 14.43

No.	Module	Description
1	P111 Reader	Improved decoding of sequence number from H1,0,2,0 records.
2	QC	Bugfix: Config files were not being saved correctly.
3	QC	Bugfix: Items could not be deleted from existing config.



Date: 07/04/2017

Version: 14.42

No.	Module	Description
1	Installer	Now includes option of installing EPSG and Nadcon databases.
2	Preplot	Corrected output of transformation parameters for rotation and scale.
3	Preplot	P111 and P611 output now include WGS84 CRS and transformation to survey CRS.
4	Preplot	Bugfix: SP numbering incorrect when bin number increment greater than 1.
5	Preplot	Improved optimisation of line lengths for irregular shaped polygons.
6	Preplot	Added header items for Px/11.
7	Preplot	Added items to report.
8	Postplot	Bugfix: Reinstated selection of plot symbol shape and position.
9	Intersect	Bugfix: was not correctly handling lines with only two shots (e.g. preplot).
10	Replay	Improved behaviour of graphics file list UI.



Date: 13/03/2017

Version: 14.41

No.	Module	Description
1	Project Setup	Sequence number position now set to "From right" by default.
2	Preplot	Bugfix: Was hanging when computing with consecutive CMP lines co-located.

Date: 10/03/2017

Version: 14.40

No.	Module	Description
1	QC	Bugfix: Format check report for P1/11 was corrupted.

Date: 09/03/2017

Version: 14.39

No.	Module	Description
1	Preplot	Improvements to handling of general information.
2	QC	Line name now correctly displayed.
3	QC	Corrected detection of shot timing errors, especially around midnight.



Date: 07/03/2017

Version: 14.38

No.	Module	Description
1	Update Headers	Now fully supports P1/11.

Date: 03/02/2017

Version: 14.37

No.	Module	Description
1	QC	Bugfix: Node names were not displayed correctly in config.

Date: 01/02/2017

Version: 14.36

No.	Module	Description
1	All modules	When reading time from P190 file, unusual numbers such as 60 in seconds field now handled.
2	Compare	Bugfix: Sometimes using incorrect node for azimuth calculation.
3	Update Headers	Moved from menu to own module on the main form.



Date: 05/01/2017

Version: 14.35

No.	Module	Description
1	Preplot	Now outputs P1/11 files when appropriate.
2	Replay	Imported shapefiles now converted to replay dataset CRS.

Date: 27/12/2016

Version: 14.34

No.	Module	Description
1	P111 Reader	Bugfix: Now assumes sequence number format is integer if no UNITREF given.
2	QC configuration	Bugfix: Configuration builder was not working correctly for P1/11 files.
3	Replay	Bugfix: Waypoints from preplot now read correctly from P1/11 (N1 records).
4	Preplot	Now outputs P6/11 files when appropriate.





Date: 16/11/2016

Version: 14.33

No.	Module	Description
1	Main Form	Maximum number of items in "Recent Projects" menu now increased to 10.
2	Main Form	Bugfix: Occasional crash when saving P1Tools parameter file.

Date: 16/11/2016

Version: 14.32

No.	Module	Description
1	Preplot	Bugfix: illegal record written to P1/90 header.
2	Preplot	Now handles case of inconsistent CMP separations.
3	Preplot	Bugfix: SOL position for 3D Segmented where polygon exit coincides with dogleg.
4	Preplot	Added new parameter for 3D Segmented to specify the minimum gap between lines in the same swath.



Date: 13/11/2016

Version: 14.31

No.	Module	Description
1	Preplot	Sail line separation can now be automatic or specified.
2	Preplot	Bin width can now be automatic or specified.

Date: 10/11/2016

Version: 14.30

No.	Module	Description
1	Project options	Compare folder now respected when opening second P1 file in replay and compare modules.
2	QC Integrity	For 'C' record, col 18 no longer seen as mandatory.
3	Preplot	New option to define bin grid origin at bin centre or bin corner.
4	Preplot	Target alignment option no longer applies to 3D Segmented preplot.
5	TASTE	Bugfix: was not reading sequence from old database files.
6	Postplot	now appends .dxf to output file if not already specified.



Date: 05/10/2016

Version: 14.29

No.	Module	Description
1	All modules	Allow reading of 'C' records even if no source ID found.

Date: 02/10/2016

Version: 14.28

No.	Module	Description
1	Main	Re-ordered main toolbar buttons.
2	TASTE	Now correctly handles more than 9 streamers for receiver depth trend plot.
3	TASTE	Added menu option to select all in plot configurations.
4	Convert	Now converts polygon coordinates from P1Tools preplot file.
5	Streamer Depth	Now allows selection of receivers to plot.



Date: 08/09/2016

Version: 14.27

No.	Module	Description
1	Preplot	Bugfix: was not handling I axis in the alongline direction.
2	Preplot	New option to specify bin grid extent.
3	Concat	Now handles files with no header (user is responsible for output).
4	Postplot	Now handles UTM for header without explicit parameters.
5	Utilities	Now displays message on completion of split files utility.

Date: 25/07/2016

Version: 14.26

No.	Module	Description
1	All modules	Added identification of 'Z' records with "other" id.



Date: 20/06/2016

Version: 14.25

No.	Module	Description
1	Preplot	Bugfix: transformation "dZ" label was being printed as "dX".
2	Compare	Bugfix: file name for file 2 was not being correctly displayed.
3	Streamer Depth QC	Added SDP file name and nominal CNG depth to report file.

Date: 28/04/2016

Version: 14.24

No.	Module	Description
1	Preplot	Allow spaces in P1Header text.



Date: 25/04/2016

Version: 14.23

No.	Module	Description
1	Various	Bugfix: GUI error setting UTM projection parameters.
2	Preplot	Bugfix: computing grid to geographic parameters sometimes giving wrong hemisphere.
3	Preplot	Bugfix: line lable orientation for saved sail lines was incorrect.

Date: 12/02/2016

Version: 14.22

No.	Module	Description
1	Postplot	Added option to use non-modulus SP interval.

Date: 11/02/2016

Version: 14.21

No.	Module	Description
1	Preplot	Now handles all source-streamer geometry configurations.
2	Extract	Added option to use non-modulus SP interval.



Date: 07/01/2016

Version: 14.20

<b>No.</b>	<b>Module</b>	<b>Description</b>
1	Preplot	Bugfix: occasional crash when starting module.