

Version	Date	Description
4.023.069	17-Oct-2011	Batch printing in combination with dual handicap scoring may cause an error, Corrected
4.023.068	26-Aug-2011	Handling of Html-template now also supports relative file locations,
4.023.067	26-Aug-2011	Batch printing in combination with subfleets may cause an error, Corrected
4.023.066	26-Aug-2011	Minor corrections to mod 4.23.61
4.023.065	18-May-2011	Errors, caused by email transfers, are now detected and corrected
4.023.064	16-May-2011	rdg-results not highlighted in results
4.023.063	07-Mar-2011	ZW upgrade has been improved
4.023.062	04-Mar-2011	SignOut-SignIn listing has been added
4.023.061	28-Dec-2010	Minor modification on Listing window
4.023.060	30-Oct-2010	Handicap text "No Spi correction, -2.5%" changed to "Bonus -2.5%, No Spi"
4.023.059	30-Oct-2010	In Handicap listing the TN-SC handicaps are suppressed, if they are not used.
4.023.058	14-Oct-2010	More info for percentage scoring penalty
4.023.057	14-Jun-2010	Correction for 4.23.56, Discards were disregarded.
4.023.056	04-Jun-2010	Partial Presslist added. Partial results and Partial Presslist can now be calculated with 1 or 2 discards.
4.023.055	03-Jun-2010	Test button in HTML-options repaired.
4.023.054	01-May-2010	Minor change in handling group assignments, with round-robin selections.
4.023.053	17-Mar-2010	The Dutch ORC No-Spi correction (-2.5%) has been made more transparent for users, who are unfamiliar with this correction.
4.023.052	17-Mar-2010	Italian translation corrected for Finish listing.
4.023.051	17-Mar-2010	Numeric subfleet criteria ignore the decimal digits. Fixed.
4.023.050	16-Mar-2010	Output for ORC No Spi correction has been improved
4.023.049	16-Mar-2010	Parameter file ZW.INI moved from Windows directory to ZW/DATA directory.
4.023.048	12-Mar-2010	Tab sequence modified in Window Competitors/Handicaps
4.023.047	12-Feb-2010	Bug while printing miscellaneous special listings via Output window is fixed. Bug was introduced with 4.023.042.
4.023.046	01-Feb-2010	Bug while printing Finishlistings from Finish window is fixed. Bug was introduced with 4.023.042.
4.023.045	30-Jan-2010	In listing "All competitors" column "Paid" is skipped, if no paid info has been entered.
4.023.044	16-Jan-2010	Autostart option on output window has been adapted to current practice.
4.023.043	08-Jan-2010	Tiebreking in subfleets was not always correct. FIXED
4.023.042	07-Jan-2010	Multiple listings can now (again) be combined into one output file
4.023.041	29-Dec-2009	During all finish sessions, the options "Weight factor & First as" can be used through menu item "Options"
4.023.040	29-Dec-2009	An option has been added to solve a tie in the Medal fleet with the ranking in the medal race

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4.023.039	29-Dec-2009	In Make Schedule more controls are added to specifically steer the assignment to groups.
4.023.038	29-Dec-2009	In Fleet window, class will be preset if only one class exists.
4.023.037	24-Sep-2009	Low point scoring with 1st place ,75 scores changed to 1st place .9 scores after saving and reloading the data. Fixed.
4.023.036	10-Jul-2009	In cases with time on distance handicaps, the finish listings display a faulty corrected time. Anyway the ranking of results was correct. The listing is now corrected.
4.023.035	15-Jun-2009	The Dutch no spinnaker compensation of 2.5% for ORC handicaps was not taken into account. Now fixed.
4.023.034	15-Jun-2009	Scoring with dummy handicap TIME (scoring on time, but no handicap calculation) caused an error, problem has been fixed. This did not effect calculations on true handicaps.
4.023.033	10-May-2009	The report Poule Group Schedule has been repaired.
4.023.032	25-Mar-2009	RRS 2009-2012 is now supported (no changes in scoring from RRS 2005-2008)
4.023.031	25-Mar-2009	Option for round-robin with 5 starts and groups has been added
4.023.030	13-Mar-2009	Rare abend in Make Pool Schedule has been fixed.
4.023.029	27-Jan-2009	Since version 4.23.26, the Advanced option to import races from a ZW-file did not function. This is now repaired.
4.023.028	20-Dec-2008	Low point scoring with .9 points for the first place has been added.
4.023.027	20-Dec-2008	Output listings, The sequence of the reports has been changed. Comments with help info have been added.
4.023.026	20-Dec-2008	The race selection in the listing request window is now more flexible
4.023.025	17-Dec-2008	The report Pressfinishlist has been deleted.
4.023.024	05-Dec-2008	The report Day Prizes has been deleted. The report Day Results has been renamed Partial Results. More flexible race selection is planned for the near future.
4.023.023	28-Nov-2008	Option for starttimes per boat, enabled for all users.
4.023.022	07-Nov-2008	Option for starttimes per boat added as hidden feature.
4.023.021	15-Oct-2008	Competitor screen will now return to the last used TabSheet, after usage of a subsheet.
4.023.020	13-Oct-2008	While adding competitors, the entry field for the new competitor can allready be filled with random names. FIXED
4.023.019	08-Oct-2008	Subfleet conditions are being erroneously destroyed, while deleting other fleets. FIXED.
4.023.018	08-Oct-2008	ORC handicaps: VPP print data has been extended with the added data in the RMS file.
4.023.017	02-Oct-2008	Exiting the Print window, while printing, may cause a program abend. FIXED
4.023.016	04-Sep-2008	An Overflow error sometimes occurs during loading of a ZW data file. FIXED
4.023.015	14-May-2008	Default colours for Round-Robin groups have been changed acc to standard practice.

Version	Date	Description
4.023.014	02-Apr-2008	Minor corrections to Competitors import.
4.023.013	02-Mar-2008	Also remove penalties and protests while removing results from all races in window General
4.023.012	08-Feb-2008	Special export for ILCA implemented
4.023.011	30-Jan-2008	Beta of French version of ZW added
4.023.010	13-Jan-2008	Minor correction in html output, quotes added to external reference.
4.023.009	05-Jan-2008	A failure to produce subfleet results with Round-Robin and Finals series, has been corrected.
4.023.008	14-Dec-2007	TN UD LW was not saved in local PC for later use. Corrected.
4.023.007	07-Nov-2007	Minor correction made in Import of text files
4.023.006	17-Oct-2007	Corrections in internal handling of subfleets
4.023.005	09-Oct-2007	2 letter abbreviated result codes have been eliminated
4.023.004	09-Oct-2007	Correction made for special dsq result (oth)
4.023.003	20-Sep-2007	Correction made for subfleet results on round robin races.
4.023.002	11-Jun-2007	File read error in version 4.023.001 corrected
4.023.001	08-Jun-2007	Support added for the 470 medal race format.
4.023.000	01-Jun-2007	Issued version 4.023
4.022.093	25-May-2007	Fixed a problem with arbitration penalties and dual handicap scoring.
4.022.092	23-May-2007	Fixing various minor errors in subfleets and multiple handicaps.
4.022.091	23-May-2007	Import of competitors may cause errors, during save to file and the following reload from file. FIXED.
4.022.090	13-May-2007	Subfleet conditions are being erroneously destroyed, while deleting other subfleets. FIXED.
4.022.089	07-May-2007	Freeze function for handicaps was disabled. Is now reinstated.
4.022.088	06-May-2007	Listing of double sailno's does not print ii the first fleet is excluded. FIXED.
4.022.087	22-Apr-2007	Correction of printing error in the scheduling for round robin races.
4.022.086	19-Apr-2007	Changing a fleet assignment, causes permanent non competitor status for the competitor. Fixed again.
4.022.085	19-Apr-2007	Problem during preparation fleets with double handicaps has been solved.
4.022.084	17-Apr-2007	Problem with Round Robin Start Schedule assignment solved.
4.022.083	07-Apr-2007	Problem with recalculating the scores for a sub-fleet - the scores are now always recalculated although the recalculate button is not selected for the sub-fleet. Problem fixed
4.022.082	05-Apr-2007	Changing a fleet assignment, causes permanent non competitor status for the competitor. Fixed.
4.022.081	05-Apr-2007	Usage of shortened class names (Opti i.s.o. Optimist) causes an abend. Fixed.
4.022.080	20-Mar-2007	Minor corrections for version 4.022.079

Version	Date	Description
4.022.079	19-Mar-2007	Improvements to Round Robin schedules. Defaults schedules can now be adapted. Group selection is now random (except in case of manual group selection).
4.022.078	23-Feb-2007	Cosmetic improvement in Fleets window
4.022.077	01-Feb-2007	Handicap fleets can now be calculated on 2 handicaps. For each handicap results can be calculated for the boats competing under that handicap. Boats may compete on only one or both handicaps.
4.022.076	01-Feb-2007	Minor changes to Fleets and Competitors Windows
4.022.075	18-Jan-2007	Medal Race implemented.
4.022.074	15-Jan-2007	You may now set an output directory for listings, html files, etc. See window General, tabsheet Advanced.
4.022.073	14-Jan-2007	Internal calculation scheme has been simplified. Slightly more calc time, less chance for logic errors.
4.022.072	13-Jan-2007	Listing All Competitors reinstated. This report was ioperable since version 4.022.65
4.022.071	13-Jan-2007	Listing of Duplicate Sailno's reinstated. This report was ioperable since version 4.022.65
4.022.070	12-Jan-2007	Cosmetic changes to competitors window
4.022.069	10-Jan-2007	Minor correction in Fleets window, frozen races indicated correct.
4.022.068	05-Jan-2007	Listing Overall results has been depreciated and is now no longer supported.
4.022.067	05-Jan-2007	In the listings selection screen, e tooltiptext, help text, has been added to control Fleets.
4.022.066	02-Jan-2007	Improvements to the ORC VPP listing. See window Competitors / Handicaps / VPP data
4.022.065	30-Dec-2006	In the window Listings, you can now select more than one fleet or subfleet with one request.
4.022.064	28-Dec-2006	Imports reject record without class or sailnumber. This happened without a warning. The warning message will now be issued.
4.022.063	28-Dec-2006	Competitor's listing can no be interlined, for easier check marking.
4.022.062	25-Dec-2006	On finish screens we now also indicate the starting flag.
4.022.061	25-Dec-2006	Calculation of Triple Numbers is restricted to a user defined Special Course (SC). Triple numbers for UD (windward/leeward) or CR (circular random) should be imported from ORC .RMS-files or manually entered from ORC measurement certificates.
4.022.060	22-Dec-2006	Triple number handicaps. Fieldnames in im- and export files have been normalized.
4.022.059	17-Nov-2006	KNWV Startlicence check is now optional.
4.022.058	28-Oct-2006	Minor improvement in Search IMS/ORC handicap data.
4.022.057	21-Oct-2006	Static no of discard has been changed to a definition, where the no of discards is dependen on the no of races sailed.
4.022.056	17-Oct-2006	Sort of Competitorslisting has been changed to a primary sort on numeric Sailnumber

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4.022.055	14-Oct-2006	One obscure possibility for loosing results has been eliminated
4.022.054	14-Oct-2006	Choice language is now stored in the ZW-file
4.022.053	14-Oct-2006	The default finish result, dns,dnc or dnf, is now one of the values that can be set as a ZW-default in menu Advanced/Use as default.
4.022.052	13-Oct-2006	Error in loading IMS/ORC Triple Numbers on computers with Decimal Comma has been fixed.
4.022.051	12-Oct-2006	Minor ergonomic improvements in window Search IMS/ORC Data
4.022.050	20-Sep-2006	Special races can now be made non discardable. Input through window Fleets.
4.022.049	20-Sep-2006	In window Fleets, setting the proper handicap, sometimes resulted in the wrong handicap. The problem should now be solved.
4.022.048	19-Sep-2006	When exiting from an output window, many users were tricked into closing ZW. This has been corrected.
4.022.047	14-Sep-2006	Automatic initialization of countries and/or classes in new ZW-files, has been discontinued.
4.022.046	14-Sep-2006	ERROR A very specific case of results, caused the program to produce no results, or to terminate with an error. FIXED
4.022.045	14-Sep-2006	ERROR: A reference to a not existing HTML template file, caused an error when HTML output was produced. FIXED
4.022.044	16-May-2006	Finalisation of support of Dutch Licenses and Measurement Certificates
4.022.043	09-May-2006	Corr of error in support of Dutch Licenses and Measurement Certificates
4.022.042	09-Apr-2006	Full ZW-version is now displayed
4.022.041	06-Apr-2006	Internal Error display in Export fixed.
4.022.040	03-Mar-2006	Additional printing improvements
4.022.038	02-Mar-2006	Handling of Printer Selection has been improved
4.022.037	27-Feb-2006	ERROR If no printer is attached, ZW freezes with an error message. FIXED
4.022.036	19-Jan-2006	Pre-release for support of Dutch Licenses and Measurement Certificates
4.022.035	13-Jan-2006	Added a search option to the competitors screen
4.022.034	24-Nov-2005	Forced 3 char output if 100 or more competitors
4.022.033	10-Nov-2005	A not operational default printer caused ZW to crash. Handling of this situation has been improved.
4.022.032	31-Oct-2005	Spanish translation has been updated. Thanks again to Juan Alvaro Paradela Amer.
4.022.031	31-Oct-2005	Database export improved, Export now allows for storing more than one event in a database.
4.022.030	30-Sep-2005	German translation has been updated. Thanks again to Rüdiger Schuchardt.
4.022.029	27-Sep-2005	Minor correction to Finish screen for bfd-input mode.
4.022.028	27-Sep-2005	Build 26 disabled, input of dns, dnf, ocs, etc for handicap classes. Fixed.
4.022.027	21-Sep-2005	Sending a ZW-file thru email may sometimes cause data-corruption in the ZW-file. This is not a ZW error. However a method has been incorporated to circumvent the error.

# ZW version log

Version	Date	Description
4.022.026	20-Sep-2005	In handicap classes, using a finish time which is earlier than the starting time, causes a problem. Fixed and warning messages have been added.
4.022.025	17-Sep-2005	Every second Import of data from an XLS spreadsheet, an erroneous error message was generated and the import aborted. FIXED
4.022.024	06-Sep-2005	Vertical lines in HTML output have been removed. Use Stylesheet (ZW.CSS) if you want to reinstate the vertical lines.
4.022.023	01-Sep-2005	Pre-selection established during Search ORC data
4.022.022	01-Sep-2005	Automatic assignment of ORC-fileid during RMS data refresh is now suppressed.
4.022.021	26-Aug-2005	Minor correction in the management of triple number calcs
4.022.020	16-Aug-2005	Minor debugging aid added in ZW-file
4.022.019	15-Aug-2005	Minor in Crew copy to Base corrected, window Competitors-Crew
4.022.018	13-Aug-2005	Fixed some minor error with discard-restrictionss in qualifier and finales series
4.022.017	04-Aug-2005	Italian translation has been updated. Thanks again to Tullio Giraldi.
4.022.016	28-Jul-2005	Minor formatting and layout problems have been fixed in some special reports.
4.022.015	26-Jul-2005	Handicaps can now be frozen. This enables changing a handicap for later races, while the old handicaps are still in force for earlier races. This is helpful for series with a long duration, where boat configuration may change in time, ea winter series.
4.022.014	26-Jul-2005	Messagebox window has been improved to accommodate larger text messages.
4.022.013	26-Jul-2005	An error occurred during a Split for Finals operation in cases where by default a large amount of description data was selected for printouts. Corrected.
4.022.012	26-Jul-2005	Error in handling of Action notes from fte Finish entry window has been corrected.
4.022.011	18-Jul-2005	ZW is now supported by the Dutch National Authority. An acknowledgement has been added to the printed output.
4.022.010	14-Jun-2005	Window Administration / General has been reformatted.
4.022.009	14-Jun-2005	For qualifier and finale series, you can now specify maximum no of discards, seperately for the qualifiers and the finales.
4.022.008	02-Jun-2005	ZW now supports Excel spreadsheets (.XLS) for exports and imports.
4.022.007	24-May-2005	IMS/ORC Triple Number import from the RMS files in now supported. TN calc's for UD and CR in acc with the old Dutch NZC definitions will be continued untill April 1, 2006. Im The Netherlands the old calc's will be used for the season 2005.
4.022.006	20-May-2005	IMS/ORC Triple Number wind naming have been changed in order to be compatible with the ORC standard naming.
4.022.005	20-May-2005	Empty finishlists of not sailed races are no longer printed.
4.022.004	15-May-2005	After using a subfleet once in the Listings window, the subfleet selection criteria were temporarily lost. This prevented the repeated use of a subfleet. FIXED
4.022.003	09-May-2005	The 2005 Texel rating changes have been implemented. ZW supports ratings, with and without Spi and normal and over 4 Bft ratings.

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4.022.002	01-May-2005	In rare cases, starting and finishing times were lost for handicap classes. Problem fixed.
4.022.001	30-Apr-2005	After an import of data, the screen Competitors destroyed fleet assignments under certain conditions. Problem fixed.
4.022.000	26-Apr-2005	Version 4.022 released.
4.021.018	26-Apr-2005	Import of licencees now also supports the import Austrian members (OESV mitglieder)
4.021.017	04-Mar-2005	Import of data from an old ZW file results in an error. CORRECTED.
4.021.016	25-Feb-2005	Scoring option, Austrian (starters) has been corrected. Dnc's were counted as starters.
4.021.015	24-Jan-2005	ZW files, using RRS 2005-2008, were erroneously reset to use RRS 2001-2004. Also some incorrect warning messages were generated. Problem fixed.
4.021.014	09-Jan-2005	Name changes were ignored during the import of RMS data. FIXED
4.021.013	20-Oct-2004	In Handicap races, a close finish was sometimes incorrectly treated as a tie. FIXED
4.021.012	16-Oct-2004	Triple Number handicap listing will no longer show SC (Special Course) numbers, if the SC has not been calculated.
4.021.011	02-Oct-2004	An option for Low Point scoring with first place .75 points has been added.
4.021.010	01-Oct-2004	RRS 2005-2008 has been implemeted. Until Jan 1, 2005, RRS 2001-2004 remains the default rules.
4.021.009	11-Sep-2004	Cellspacing in HTML output is increased.
4.021.008	11-Sep-2004	Under some Windows systems, strange sounds are produced iso of a beep, when a message box is displayed. FIXED
4.021.007	25-Jun-2004	The Listings window now remains visible after processing an output listing. This will facilitate the production of multiple listings.
4.021.006	15-Jun-2004	Press Finish listing has been added to the output options.
4.021.005	15-Jun-2004	Minor correction to import of file with Italian licensees.
4.021.004	03-Jun-2004	Allow import of file tesseratizw.txt, with Italian licensees.
4.021.003	15-May-2004	An error occurs during thr entry of date of birth of a crew member. FIXED.
4.021.002	10-May-2004	The export to datase of Gender has been corrected.
4.021.001	10-May-2004	Deletion of fleets with competitors, but witout any race sailed, has been enabled.
4.021.000	04-May-2004	Version 21 released
4.020.039	04-May-2004	CSS handling in HTML options corrected, multiple simultanneous Save actions prevented.
4.020.038	01-May-2004	A not sailed race caused an incomplete export to a database. FIXED
4.020.037	27-Apr-2004	Male/Female selection did not work in subfleets. FIXED
4.020.036	18-Apr-2004	Minor corrections in Triple Number calcs
4.020.035	14-Apr-2004	Triple Number wind values have been changed to the values for 2005. Defining authority is NoordZeeClub, the Dutch Offshore Yacht Class Association.

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4.020.034	14-Apr-2004	HTML output. Backgrounds can now be transparent.
4.020.033	14-Apr-2004	HTML output. Support for external CSS stylesheets has been added.
4.020.032	08-Apr-2004	Beta Triple Number 3 course types. Restricted release
4.020.031	03-Apr-2004	Some reports did not work with option HTML Single Page output. FIXED
4.020.030	25-Mar-2004	On opening of a ZW-file, the internal Fleetnumbers will be reassigned in alphabetical fleetname sequence. This has some impact on manual prepared input files.
4.020.029	23-Mar-2004	Importing of Finishlists for handicapclasses did not import the finish times. CORRECTED.
4.020.028	03-Feb-2004	Minor output improvements
4.020.027	03-Feb-2004	Minor translation fixes for the Italian language
4.020.026	27-Jan-2004	Minor improvements, while handling a new file with automatic creation of fleets.
4.020.025	22-Jan-2004	Flags on Flash screen were not always shown correctly. FIXED
4.020.024	21-Jan-2004	Starting licences can now be monitored against a licence data file. The licence data file has to be supplied by the Nath Auth. ZW has to be adapted for the each format. The Italian format (tesseract.txt) has been implemented.
4.020.023	21-Jan-2004	Aboard status in crew listings has been corrected
4.020.022	25-Dec-2003	Action points are now handled on a separate tab of the competitor's window. No functional change.
4.020.021	24-Dec-2003	Minor improvements in handling of flag on Flash screen
4.020.020	21-Dec-2003	Changes to Flash screen to allow for more localised versions.
4.020.019	15-Dec-2003	A Spanish translation of ZW has been added. Many thanks to Juan Alvaro Paradela Amer.
4.020.018	03-Nov-2003	Version 4.020.015 introduced an error. Finishing places were reported as corrected time minutes. Scores were not effected. Error has been corrected.
4.020.017	31-Oct-2003	HTML template restrictions have been relaxed. Output of MS Frontpage is now acceptable as a template.
4.020.016	29-Oct-2003	The use of Ctrl-C, Ctrl-P and Ctrl-X (Copy, Paste and Cut) has been (re-) enabled in the Competitors screen.
4.020.015	29-Oct-2003	Subfleets: An option has been added to recalculate scores, based on only the selected competitors.
4.020.014	28-Oct-2003	Subfleet conditions could not be changed. FIXED
4.020.013	24-Oct-2003	In the windows, Competitors and Poule Schedule, changes of fleet are now protected by a warning message. This will minimize the risk of losing results.
4.020.012	24-Oct-2003	The competitors window will now prompt, you for automatic addition of classes, fleets and countries.
4.020.011	22-Oct-2003	Early closing of the graphics browser on slower computers, caused an abnormal termination. FIXED
4.020.010	22-Oct-2003	Background databases are now by default opened in RO-mode
4.020.009	15-Oct-2003	Finishlists for subfleets are now prepared without recalculation.

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4.020.008	09-Oct-2003	After version 4.019.15, Handicap and Competitor listings could not be printed in no race results where entered. (Bypass: Enter a dummy result in the first race). FIXED
4.020.007	09-Oct-2003	Some minor improvements to handle single quotes in names.
4.020.006	29-Sep-2003	Subfleet: Use of empty conditions sometimes resulted in a incorrect treatment of other conditions. FIXED.
4.020.005	29-Sep-2003	Subfleets: Multiple conditions on a date of birth field are now handled correctly.
4.020.004	29-Sep-2003	Subfleet results are now produced without recalculation,
4.020.003	29-Sep-2003	Use of subfleets sometimes resulted in a lack of space error. FIXED
4.020.002	20-Sep-2003	Minor improvement in enabled menu options in case of a new ZW file.
4.020.001	20-Sep-2003	By default, fleets will now be automatically created for new classes.
4.020.000	18-Sep-2003	Version 4.020 released.
4.019.018	18-Sep-2003	Import of competitors now accepts date of birth as a 8 digit number like 19920131, or as a 6 digit number like 920131, or as any Microsoft formatted date.
4.019.017	17-Sep-2003	Minor improvements in handling team results.
4.019.016	17-Sep-2003	Two nasty little errors removed. Subscript out of range after Adding classes or countries in a new ZW file.
4.019.015	12-Sep-2003	A Press listing, with minimal content, has been added for press briefings
4.019.014	11-Sep-2003	Output option have been added for Country and Birthdate.
4.019.013	11-Sep-2003	Handling of logos in the output heading window has been improved / corrected.
4.019.012	09-Sep-2003	Duplicate sailnumbers could be created by changing a number to an already existing number. FIXED
4.019.011	05-Sep-2003	A fatal error in Fleets has been corrected.
4.019.010	01-Sep-2003	A fatal error in Poule Schedule has been corrected.
4.019.009	29-Aug-2003	Fonttype changes in Headings were not always saved. FIXED>
4.019.008	29-Aug-2003	On the Finish window, the starttime and courselength were not correctly displayed for the recently added handicaps. FIXED
4.019.007	29-Aug-2003	Some handicap listings of recently added handicaps were not sorted on the handicap figure. FIXED
4.019.006	28-Aug-2003	Addition of a crew module. The module is not yet complete. Crew listings will be added in the immediate future. This module will allow support for offshore races and/or verification of sailor licenses.
4.019.005	28-Aug-2003	After an intermediate save operation, you where not always prompted to save the data, while exiting the program. FIXED
4.019.004	27-Aug-2003	Import of Birthdate failed. Fixed
4.019.003	22-Jul-2003	ERROR: In the unlikely case where a competitor with a redress, scoring penalty or similar is removed, the redress or penalty will be randomly assigned to another competitor. FIXED
4.019.002	24-Jun-2003	More sound warnings in cases where a result already exists.

Version	Date	Description
4.019.001	23-Jun-2003	Handicap listings have been corrected for formatting and missing content.
4.019.000	14-Jun-2003	Version 4.019 released.
4.018.024	11-Jun-2003	Fixed a problem with the calc of TripleNumber handicaps.
4.018.023	08-Jun-2003	Fixed a problem with Dayresults and HTML output per page.
4.018.022	03-Jun-2003	Handicap list did not print if one of the selected fleets did not contain competitors. FIXED
4.018.021	02-Jun-2003	ToT-O handicap in window Search IMS/ORC has been corrected
4.018.020	31-May-2003	Fontsizes in HTML output options were not functional. FIXED
4.018.019	24-May-2003	Minor improvement User interface of Fleets window. PgDn/PgUp
4.018.014	24-May-2003	Action check list can now also be saved as a notepad file
4.018.013	24-May-2003	Intermittent error during Save, in cases where logos are used. FIXED.
4.018.012	19-May-2003	Minor error in heading Action list. FIXED A German translation of ZW has been added. Many thanks to Rüdiger Schuchardt for his work.
4.018.011	14-May-2003	The Dutch version 4.018 of ZW called for the English Help screens. FIXED.
4.018.010	07-May-2003	An option to show IMS/ORC VPP data has been added in the competitor's handicap screen.
4.018.009	05-May-2003	Correct minor error in Make Schedule screen
4.018.008	29-Apr-2003	Correct minor error in handling of Boattype in screen Competitors
4.018.007	29-Apr-2003	Correct destination titles in Action Points
4.018.006	29-Apr-2003	IMS/ORC handicaps only. Error occurred during "Reload of IMS/ORC data" and 'Calc of TripleNumber handicaps'. Symptom: Fileid was reset to 0. FIXED.
4.018.005	19-Apr-2003	Import of name of helmsman was not possible. FIXED
4.018.004	16-Apr-2003	Improvements to User interface of window Poule Schedule
4.018.003	16-Apr-2003	Help screen will now be handled with HTML Help. This will enable easier translation into other languages of the Help screens.
4.018.002	10-Apr-2003	An Italian translation of ZW has been added. Many thanks to Tullio Giraldi for his work.
4.018.001	01-Apr-2003	rdg results and Austrian scoring cannot be used together. Problem fixed.
4.018.000	15-Mar-2003	Version 4.018 internally released.
4.017.020	27-Feb-2003	Loading of IMS/ORC data from RMS has been streamlined. PLS factors for inshore are not yet loaded from RMS
4.017.019	06-Feb-2003	Supported handicaps have been extended. Additions are IMS/ORC, Texel rating, ISAF SCHRS, Portsmouth, IRM, IRC, PHRF and PHRF-tcf. All factors are stored separately, This allows calculations with different rating systems.
4.017.018	06-Feb-2003	A listing with on the water penalties, like ocs, bfd, zfg, scp etc has been added. This listing can be posted on the notice boards, for review by sailors returning from the course, prior to closing of the protest time.
4.017.017	09-Jan-2003	A module for registration of protests has been added to ZW

Version	Date	Description
4.017.016	09-Jan-2003	Internal changes to facilitate translation to other languages. No changes to program. Only minor text modifications. Zwuk.exe is no longer needed.
4.017.015	21-Oct-2002	Competitor screen for one design classes does not show handicap figures.
4.017.014	21-Oct-2002	Differentiation made for IMS and ORC handicaps. ORC handicaps allow for a 2.5% bonus if no spinnaker is used.
4.017.013	14-Oct-2002	Import Competitors, Import of Single Number handicaps for LW and SW were incorrect. FIXED.
4.017.012	13-Oct-2002	Single Number wind percentages can now handle decimal points and comma's
4.017.011	06-Oct-2002	Finishlist headings for handicap classes have been adjusted for MS-Word and HTML output.
4.017.010	03-Oct-2002	Not existing files will be removed from the file menu
4.017.009	03-Oct-2002	If no printer is installed in Windows, ZW will issue a warning iso aborting.
4.017.008	01-Oct-2002	Long file path's are now supported upto 255 characters.
4.017.007	26-Sep-2002	In Competitor and Finish windows, audible clicks have been eliminated in those cases where the <Enter> key was used.
4.017.006	05-Sep-2002	In some cases discards were not considered. This happened when the number of races was not identical for all fleets. FIXED
4.017.005	05-Sep-2002	In very rare cases, the tie calculation was performed considering races that were excluded from the partial results. (races which were excluded in the Fleets window) FIXED
4.017.004	05-Sep-2002	Number of discards will no be defaulted to zero. (was 1 to conform with ISAF RRS, but 0 will avoid confusion with the users)
4.017.003	05-Sep-2002	A standard printer font will be automatically set when ZW is being used for the first time.
4.017.002	05-Sep-2002	Listing on sailno can now also be requested by fleet
4.017.001	05-Sep-2002	English warning message for duplicate sailno's has been revised to fit window size.
4.017.000	09-Jul-2002	Version 4.017 released.
4.016.001	09-Jul-2002	While using the Make Schedule with "Fixed assignments to starting fleets", the number of sailors for scoring with dnf, dsq, etc was set to an erroneous (too high) value. Error fixed.
4.016.000	01-Jul-2002	Version 4.016 released.
4.015.006	01-Jul-2002	Support has been added for new style of handling discards and tiebreaking in qualifier and finales regattas. This will most probably be a new ISAF ruling.
4.015.005	27-Jun-2002	DateTimeStamps can now be clearly identified as timestamps. On printouts the timestamp will be printed in the footer.
4.015.004	22-Jun-2002	Finishlistings can now be produced with delta times or with formula and factors.
4.015.003	20-Jun-2002	Tables in the MS Word output are now properly formatted.
4.015.002	20-Jun-2002	Including many and lengthy items caused an error. This problem has been fixed.
4.015.001	20-Jun-2002	Finishlistings can now be merged into one listing.

Version	Date	Description
4.015.000	10-Jun-2002	Version 4.015 released.
4.014.001	10-Jun-2002	Tie breaking in version 4.014 contains an error, while applying A8.1. Error fixed.
4.014.000	04-Jun-2002	Version 4.014 released.
4.013.013	04-Jun-2002	ZW has been adapted for the ISAF rule change per 1 Jun 2002. This change effects the tiebreaking.
4.013.012	04-Jun-2002	A warning will be issued if a required courselength was not specified for handicap classes.
4.013.011	01-Jun-2002	For handicap classes a warning is issued if the starttime has not been specified.
4.013.010	01-Jun-2002	Finishlist now displays for handicap classes, the applicable formula and coefficients.
4.013.009	26-May-2002	Stored Fileid will now be reset after initiating a new ZW file.
4.013.008	25-May-2002	An option has been added to exclude rule A8.2
4.013.007	25-May-2002	Tie breaker is now also supporting 2-tier ties.
4.013.006	24-May-2002	Support for pre 2001 Rules has been removed.
4.013.005	14-May-2002	Error during import of handicap races while adjusting for differences in starttime, has been corrected.
4.013.004	14-May-2002	Action check list now sorted on sailno
4.013.003	09-May-2002	An error while importing finishlists with starttime adjustments has been corrected.
4.013.002	02-May-2002	ZW now supports spaces in long filenames
4.013.001	30-Apr-2002	Hang after using button Test in HTML Output Options resolved
4.013.000	28-Apr-2002	Version 4.013 released.
4.012.017	28-Apr-2002	Base course description and base wind loading changed for Single Number
4.012.016	28-Apr-2002	Single Number handicap base changed from 600 to 675
4.012.015	28-Apr-2002	Age allowance correction removed. Note: Age allowance is now standard included in the base RMS data.
4.012.014	26-Apr-2002	Several changes have been made to improve the portability of ZW-files
4.012.013	31-Mar-2002	Handling of duplicate sailno's listing has been improved.
4.012.012	31-Mar-2002	Help has been added for the Birthdate field in the Competitor screen.
4.012.011	31-Mar-2002	Club has been added as one of the output options.
4.012.010	25-Mar-2002	Competitors. An error with Male and Female indication in the English version was fixed.
4.012.009	25-Mar-2002	Save As. A problem, occurring under very specific conditions, was fixed.
4.012.008	25-Mar-2002	Subfleets. If an attribute was used more than once in the selection criteria, only one of these criteria was processed correctly. Fixed.
4.012.007	17-Mar-2002	Control in Competitor window has been improved.
4.012.006	17-Mar-2002	One competitor was not properly handled during Make Schedule In this release. Fixed

Version	Date	Description
4.012.005	17-Mar-2002	ZW could be aborted by pressing key <Esc> while showing a page in output preview on screen. Fixed
4.012.004	17-Mar-2002	Import functions did not function in this release. Fixed
4.012.003	04-Mar-2002	Class names and Country codes could no longer be changed. Fixed.
4.012.002	02-Mar-2002	If handicap ORC-ToT is selected, the actual used handicap might sometimes be in error. Fixed
4.012.001	20-Feb-2002	ActionNext button on Competitors window caused an error when no competitors were available. Fixed.
4.012.000	05-Feb-102	Version 4.012 released.
4.011.015	02-Feb-2002	Settings for Competitor window are now stored in the ZW-files.
4.011.014	02-Feb-2002	Selections can now be made with subfleets.
4.011.013	22-Jan-2002	Files will be associated with ZW. Double clicking on a file will start ZW.
4.011.012	22-Jan-2002	ZW will now remember the used language.
4.011.011	21-Jan-2002	Special results like rdg or scp are longer shown in Italics, but marked wit an * (asterix) as a footnote reference.
4.011.010	13-Jan-2002	Error in program init revisited and hopefully resolved. This caused an abort in windows Classes and Countries
4.011.009	31-Dec-2001	Separate HTML output page did not function. Corrected.
4.011.008	24-Dec-2001	Error in program init resolved. This caused an abort in windows Classes and Countries
4.011.007	15-Dec-2001	Enter Results window, No message was generated in case of an unknown competitor. Corrected.
4.011.006	10-Dec-2001	English version did not start from Splash window. Corrected.
4.011.005	19-Nov-2001	Finish screen now offers an option to immediately show and print calculated results (finishlists)
4.011.004	14-Nov-2001	Finish window will no longer open spontaneously.
4.011.003	12-Nov-2001	Open check list items can now be searched on the Competitors window.
4.011.002	11-Nov-2001	Delete, rename, copy and move file options have been removed from the file menu
4.011.001	10-Nov-2001	32 bit version established. No functional changes. Filenames can now be longer than 8 characters.
4.010.014	05-Nov-2001	Bug with new fleets in window Fleets has been corrected.
4.010.013	31-Oct-2001	Printing sometimes occurred at random while previewing output. Fixed.
4.010.012	27-Oct-2001	Minor bugs removed from Action Checklist
4.010.011	23-Oct-2001	Layout correction to special reports for Single Number Calculations, Make Schedule and Split for Finals.
4.010.010	20-Oct-2001	IMS/ORC data can now also be searched by boatname.
4.010.009	20-Oct-2001	Action checklist often showed only a blank screen. Fixed.
4.010.008	20-Oct-2001	Requesting multiple Finishlists resulted in only one shown on screen. Fixed.

Version	Date	Description
4.010.007	18-Oct-2001	Corrections have been made in the RMS import for IMS/ORC data. Some data was not imported due to incorrect interpretation of the timestamp.
4.010.006	18-Oct-2001	Screen for Fleet input has been improved to avoid unsolicited changes in fleet names.
4.010.005	18-Oct-2001	Results can now be printed with only the Boatname.
4.010.004	13-Oct-2001	Single Number Handicaps are now printed with and without Age Allowance.
4.010.003	13-Oct-2001	Single Number Handicap calculations caused an abort under certain conditions. Fixed
4.010.002	03-Oct-2001	In 4,010 new competitors could not be added. Fixed
4.010.001	01-Oct-2001	Init error for new users repaired.
4.010.000	27-Sep-2001	Version 4.010 released. This is the last version with support for Windows 3.1 and 3.11.
4.009.006	26-Sep-2001	Default filetype for imports now set for both ZW and TXT import files.
4.009.005	24-Sep-2001	Gender (Male/Female) can now be printed on results.
4.009.004	23-Sep-2001	Exports now contains the points per race and a dummy record for proper column datatypes.
4.009.003	21-Sep-2001	Width of Sailno has been increased on the Enter Results form.
4.009.002	21-Sep-2001	Listings. Print button now locked after starting a printout. This will avoid clashes during output preparation.
4.009.001	20-Sep-2001	Naming of HTML output files corrected. No functional changes.
4.009.000	18-Sep-2001	Version 4.009 released.
4.008.011	12-Sep-2001	I.s.o sailno you may now also use Helmsman name, Boatname, boattype or parts thereof, to find a specific boat in the windows: Competitors, Enter results and Poule Schedule.
4.008.010	11-Sep-2001	5 most recent ZW files are now available under menu option File
4.008.009	10-Sep-2001	In special cases you can now refer to sailno by using the last 3 or 4 digits. This is specifically useful for causes with long sailno's, such as Lasers, where often the last 3 or 4 digits form a unique number.
4.008.008	09-Sep-2001	In 4.006.006, the option in window "Split for finales", to include or to exclude the selection or round-robin results in the final results, was introduced. The option did not work and has now been fixed.
4.008.007	09-Sep-2001	Duplicate Sailno's now also includes listings for Duplicates in last 3 and 4 digits of Sailno.
4.008.006	05-Sep-2001	Suppress generation of redundant Double Quotation Marks in HTML output.
4.008.005	03-Sep-1991	Action checklist for open issues created
4.008.004	02-Sep-2001	Click on Enter Results (Finish) causes program to loop. Fixed
4.008.003	02-Sep-2001	Help topic for Team races has been added
4.008.002	01-Sep-2001	Cosmetic changes in Listings while requesting a Competitorslisting.
4.008.001	31-Aug-2001	Fixing a sporadic file save error.
4.008.000	30-Aug-2001	Version 4.008 released.

Version	Date	Description
4.007.009	30-Aug-2001	English Help file has been included
4.007.008	16-Aug-2001	HTML output for team races improved.
4.007.007	16-Aug-2001	Impact of scoring penalties is more clearly shown on results
4.007.006	16-Aug-2001	HTML output corrected. On some browser HTML output could not be shown since 4.007.000
4.007.005	16-Aug-2001	DSQ penalty scores can now exceed the maximum score based on the number of competitors plus one. To use this click OTH on the finish window and use code DSQ.
4.007.004	07-Aug-2001	Handicap did not always display results correctly, if a Finish window was used without making changes, Corrected.
4.007.003	05-Aug-2001	Superfluous instances at taskbar eliminated.
4.007.002	05-Aug-2001	Language question will no longer be repeated.
4.007.001	05-Aug-2001	Help files further enhanced to be context sensitive. Sorry no English yet.
4.007.000	28-Jul-2001	Version 4.007 released.
4.006.006	28-Jul-2001	Window "Split for finales" now has the option to include or to exclude the selection or round-robin results in the finale results.
4.006.005	27-Jul-2001	In window "Output Type and Name", filename and location could not be selected, if Word or HTML output was selected. Fixed.
4.006.004	25-Jul-2001	Minor change on HTML output for long series. Cosmetic.
4.006.003	20-Jul-2001	Minor changes on General window. No functional changes
4.006.002	20-Jul-2001	Changed OK buttons to EXIT buttons on many windows
4.006.001	13-Jul-2001	HTML output. Internal formatting of HTML output has changed. Fontsizes have been decreased to suit limited output display sizes. The HTML file now uses styles and classes for easy adaptation to site styles.
4.006.000	12-Jul-2001	Version 4.006 released.
4.005.006	12-Jul-2001	Help files have been updated. Sorry no English yet. Sorry not all subjects covered.
4.005.005	08-Jul-2001	In recent versions it was not possible to insert a finishing boat between two other boats. Handling decimal points (and/or comma's) has been improved.
4.005.004	05-Jul-2001	Sometimes the export only exported data from only one fleet. Corrected.
4.005.003	04-Jul-2001	Minor error in Word output corrected.
4.005.002	04-Jul-2001	In some cases the Sailno combobox on the Finish window remains open. Fixed
4.005.001	04-Jul-2001	English text in Make Start Schedule corrected.
4.005.000	02-Jul-2001	Version 4.005 released.
4.004.002	02-Jul-2001	Tiebreaker will not work correctly in all cases due to calculation inaccuracies. Total scores are rounded to the nearest 0.001. This solves the problem.
4.004.001	28-Jun-2001	Corrections made on Poule schedule for 4 starts on 2 courses
4.004.000	25-Jun-2001	Version 4.004 released.
4.003.007	25-Jun-2001	IMS/ORC. A modified course description and modified wind profiles will now be preserved in the ZW data file.

# ZW version log

Version	Date	Description
4.003.006	17-Jun-2001	ZW suggest a finish time for One-Design classes when a result for a One-Design is entered on a active Handicap class finish window. Corrected.
4.003.005	23-Jun-2001	Files in the ZW Work directory will no longer be deleted, when ZW is closed. However all old work files will be cleared at the start of a new SW session.
4.003.004	22-Jun-2001	Poule schedule for 4 starts on 2 courses added.
4.003.003	22-Jun-2001	Poule Schedule. Notepad, Word and HTML output option in Make Schedule and Split for Finales do not work. Revised.
4.003.002	18-Jun-2001	Finish. Handicap classes, dd in formats ddhmm.ss and ddhmmss did not work. Corrected.
4.003.001	16-Jun-2001	Version history created in Menubar Help
4.003.000	12-Jun-2001	Version 4.003 released.
4.002.011	12-Jun-2001	Display more info when duplicate numbers exist in import
4.002.010	11-Jun-2001	Version 4.002.000 introduced an error while printing numbers with a decimal comma. Error now corrected.
4.002.009	10-Jun-2001	Import of finish list added.
4.002.008	10-Jun-2001	Fleet not imported during Import Competitors. Corrected.
4.002.007	10-Jun-2001	Boattype not imported during Import Competitors. Added
4.002.006	10-Jun-2001	Quotes in as leading char in names cause problems during imports. Corrected
4.002.005	10-Jun-2001	Default scoring system is now Low Point System
4.002.004	10-Jun-2001	Fleets window. Fleets can now be scrolled by using PageUp and PageDn
4.002.003	10-Jun-2001	Imports will now initialize all options for newly created fleets
4.002.002	10-Jun-2001	IMS/ORC By default Age allowance is now applied.
4.002.001	10-Jun-2001	IMS/ORC DA, dynamic allowance removed as a scoring option. It is now always included in base handicap figures.
3.000.000	01-Feb-1995	VB Windows version, first release
2.000.000	01-Mar-1993	Fortran version increased capacity
1.000.000	01-Feb-1991	QBasic for IBM compatible PC's
0.000.000	01-Feb-1986	Basicode version for Commodore 64, MSX released