

Checkpoint Version 3.4

Course Sheets

A version control system has been introduced for course sheets to avoid the possibility of a course sheet on Sportspage not being up to date with data in Checkpoint.

If any changes are made to mark coordinates or speed restrictions, or if a course is changed, if you do not upload the new course sheet to Sportspage you will not be able to produce ETAs for an event which uses that course.

The system detects any changes that are made and updating the courses to Sportspage has been streamlined.

Also on course sheets, the rounding instructions have been formalized and only instructions in the provided list can be included. This list is managed by the Mark Manager and is downloaded with the mark information each time the checkpoint program is loaded. Additionally, marks can be identified as either Checkable or Not Checked. Initially they are all set to checkable. The rounding instructions and whether they are checkable can be amended by the Mark Manager.

GPS Coordinates

The location of each mark is now identified by Longitude and Latitude coordinates as well as the Northing and Easting as used at present. This is maintained by the Mark Manager using the existing mark maintenance functions.

Each mark on the course sheet has its coordinates (latitude and longitude) stored with it for use in integrating with a GPS tracking system. This ties in with the next item on entry of actual times.

Entry of Actual Times

Actual times may be entered either by Checkpoint, as at present, or by Boat. When entering by boat, the system will look for files on the internet which have been generated by a GPS device on a participating boat. This feature is provided in anticipation of the introduction of accurate data capture in the future.

Home Event

There is a new tick box on the event screen which is ticked for a home event and not ticked for an event which was held at another club. Thus, when downloading times for an event which was held at another club the event should be identified as not being a home event and unticked.

PYC Handicaps

PYC handicaps for all time-triallers will now be held in a central location (on Sportspage).. Every event, both club and PYC, where handicaps are updated, will update the records in the PYC Handicap file.

The parameters for calculating the PYC handicap are also held centrally and are maintained by the Mark Manager. They are downloaded each time handicaps are updated (e.g. after every club or PYC event) provided the above box is ticked.

Updating Handicaps

The function for calculating new handicaps after each event is now included in the Calculation of Results. The on-screen display has been enhanced to show the updated handicaps.

Handicaps for PYC Events

There is a new option on the Set Up/System Options Screen which allows you to select that the CPYA handicap is to be used in calculating season consistency results. This is designed specifically to be used for PYC events but can be used by clubs if they so wish.

Correction to Course Sheets

The Checkpoint program currently uses what is now recognized as an outdated parameter when calculating time of arrival at a checkpoint. The conversion constant should have been 1852 but has been set to 1853 from the day Checkpoint was first written (1984). 1853 is the conversion to British Admiralty knots where the rest of the world uses 1852. This parameter will be changed at the end of the 2022 season and all courses will need to be recalculated prior to the commencement of next season. In the meantime, anyone doing their own course sheets can use the current 1853 constant.

Changing handicaps retrospectively.

If after an event it is found that a boat's handicap has been applied incorrectly, it can now be changed using the "Identify Starters" button on the control Panel.

Results should then be recalculated