



# Reprocessing an Old Race ~ The Implications.

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## Definitions:

- AHC: Allocated Handicap. The Handicap allocated to a boat for a particular race.
- BCH: Back Calculated Handicap. The Handicap a boat needed in that race, to have a Handicap corrected time equal to that of all other boats in that race. This is a direct reflection of how well the boat performed in that race.
- CHC: Calculated Handicap. The Handicap value calculated at the end of a race to be used as the AHC for the next race. (Assumes automatically updating Handicaps.)
- Old or Historic Race. This is a race that has previously processed results. There is at least one newer race that has also been processed providing results.

## If You Reprocess an Historic Race and if You Have Altered

- Any start time
- Any finish time OR penalty place eg a DSQ, RDG, DNF etc
- Any AHC
- The number of boats in any Class/Division/Fleet

### Then...

1. Obviously the outcome will change. This is why you reprocessed the race! and...

There will be changes to the BCHs for **this** race and this in turn will alter the CHCs calculated for **this** race.

But, this does **not** automatically alter the AHCs for subsequent races, **if** the next race has already been processed.

**If you compare the CHCs for the re-processed race, they will no longer be the same as the AHCs for the next (already processed) race.**

2. To make the discussion easier let's say we have completed (and processed) all races up to and including Race 10 in a series. We have discovered a significant error in Race 7, OR as an outcome of a protest, a boat is disqualified in Race 7. We make the change to disqualify that boat in Race 7, and then reprocessed Race 7 to incorporate the DSQ. In all likelihood, the DSQ will now change the BCH values for every other boat in the handicap group. This will have a flow-on effect and change the CHC values for each boat.

If we now reprocess Race 8 then it will generate *new* CHCs for Race 8. **Why?** Because, the altered BCHs of Race 7 are used in calculating the CHCs of Race 8. So once again the CHCs of a race (i.e. Race 8) are no longer the same value as the AHCs in Race 9.

Further, if a boat does not sail in Races 8 or 9, then any future race that is reprocessed eg Race 10 will give a new CHC for that boat because one of the BCHs used to calculate the CHC has altered (i.e. the BCH from Race 7).

## Options to Help Avoid This Confusion

Use (now recommended) Exponential Handicapping rather than the legacy Average of Weighted BCHs. Exponential Handicapping uses just the AHC of a race plus the BCH of this race to calculate the CHC. Even in this case, the CHC of Race 7 would no longer be the same as the AHC of Race 8 once Race 7 was reprocessed.

When reprocessing an historic race use the "Re-score (don't adjust Handicaps)" button on the process screen. See [HELP | How To | Rescore All Races in this Series](#).

## Q & A s

**Question:** Why doesn't TopYacht automatically push any updates in an historic race in to all future races in a series?

**Answer:** If this was the case then there is a good chance that prizes-getters on the day of a later race (e.g. Race 8) may change as the AHCs of the fleet would potentially change. This becomes an administrative nightmare and thus is avoided. Further it means that every time an historic race is re-processed TopYacht has to update all future races. Additionally, the club administrator would need to republish all results both on paper for the club notice boards, plus on the Internet. *Clearly this is totally impractical.*

**Question:** If for some reason you feel it is important to update all races after the re-processed a race i.e. Race 7 in the example, how can this be done easily?

**Answer:** Yes. See [HELP | How To | Rescore All Races in this Series](#)