

# Normalised data formats ?

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In the past, my software was done to handle one specific GPS model that didn't even support the Product capabilities protocol.

Now, I would like to support the PCP. (garmin). However, looking at the various data formats, there are a number of differences, lots of new fields, and many fields present in one format but not on the other.

Is there some record format documentation somewhere which provides an all-encompassing record format for waypoints and tracklogs (as well as those other features like laps etc) that I could use as a baseline to save stuff to file ?

A few years ago, there was a yahoo group that tried to define an XML schema. Has anything "official" been achieved on this ?

Also, what is the current thinking on uniquely identifying a waypoint ?

On my old GPS II+, the waypoint "key" was 6 characters. On my new GPS (expecting it today :-), it seems to be a null terminated string and I haven't seen any limit on its length. Should the lowest common denominator be used for all devices ?

Because routes consists of waypoints that are likely to already be uploaded to the GPS, I want to make sure that the route waypoint replace those already loaded if they have the same key.

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