

Reproduction Route Navigation – Closest Entry Point“ (CEP) does not always work properly 😞

It has been observed several times on my tours that it was not possible for me to start navigation with the zumo XT2 following a saved route with „Closest Entry Point“ (CEP) from my (stage) position.

It happens in such scenarios that the entry into the route (presumably in correlation with shaping points that are problematic for the zumo XT2) does not take place at the Closest Entry Point according to the planned route.

Instead, the zumo XT2 wanted to navigate me directly to the destination from the location without navigating through the next coming shaping points.

Note: 1:1 the same route could always be navigated from „Start“ without any problems.

Below is an especially created demo route, constructed in a way that reflects real-life experiences, together with a matching collection of screenshots, illustrating two example cases with „Closest Entry Point“ (CEP) issues:

Chapter topics are:

- System / Settings (excerpt)
- My exemplary locations in Germany: Ratingen near Mettmann and Solingen
- Import: Route and Track „CEP Tst RatSolBCShp Nok.gpx“
- Initial Tests (1st - 2nd) - These still appear to work well at first, but unfortunately not sustainable 😞
- Recalculate route without changes
- Faulty 3rd test, from Ratingen and faulty 4th test, from Solingen
- 1st Workaround for Ratingen CEP Issue: change shaping „07 Cafe Hubraum shp4CEPissue“ to a via point
- 2nd Workaround for Solingen CEP Issue: change shaping „17 Wipperauer Str. shp4issue“ to a via point

Findings for error analysis:

Critical in correlation with the “ Closest Entry Point ” (CEP) are presumably, as already mentioned, problematic shaping points.

- For the tests 1 and 3 with the starting position **Ratingen**, the shaping point “**07 Cafe Hubraum shp4CEPissue**” is probably problematic.
- For the tests 2 and 4 with the starting position **Solingen**, the shaping point “**17 Wipperauer Str. shp4issue**” is probably problematic.

The track/route colors used are:

Magenta = determined route

Cyan = original track = 1:1 planned route

The route gpx file used:

„**CEP Tst RatSolBCShp Nok.gpx**“

Is named as follows

CEP = *Closest Entry Point*

Tst = *Test*

Rat = *Ratingen*

Sol = *Solingen*

BC = *with BaseCamp created*

Shp = *ShapedShaping punkten*

Nok = *Not OK*

BCtrk2rt ok= *(just Info also in GPX file)*

On good with BaseCamp

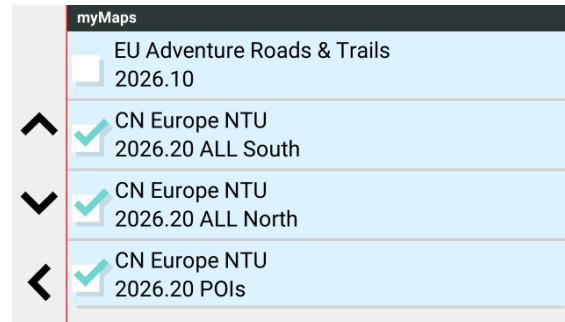
from Track converted Route

System / Settings (Extract)

Zumo XT2 latest version 6.10 (2025-07)



CN Europe 2026.20 latest version (2025-07)

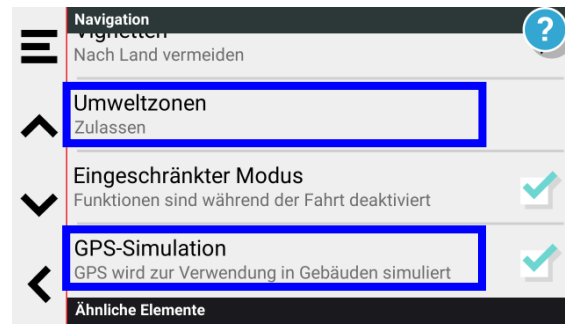


General navigation settings - No restrictions or route guidances

Recalculation and avoidance deactivated



„Environmental zones“ allowed and GPS simulation [X]

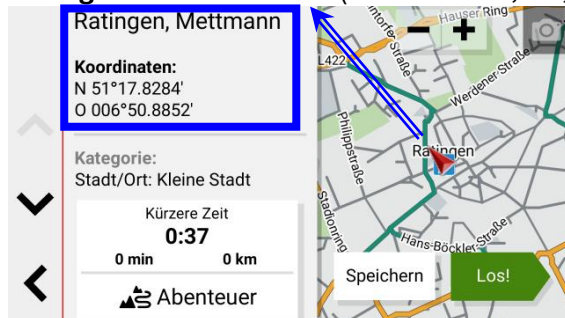


My exemplary locations in Germany: Ratingen near Mettmann and Solingen

Simulated positions Viewing direction: **North / West** (away from the expected route entry).

(The exact position and the viewing direction do not play a significant role)

Ratingen near Mettmann (Deutschland, DE, Germany)

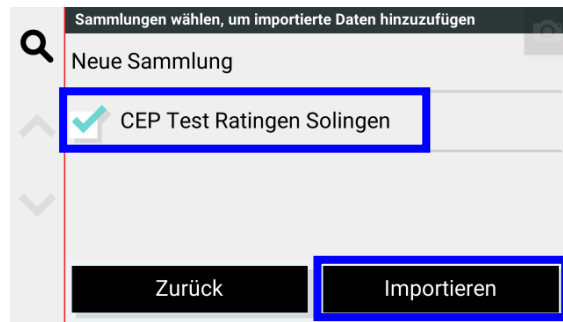
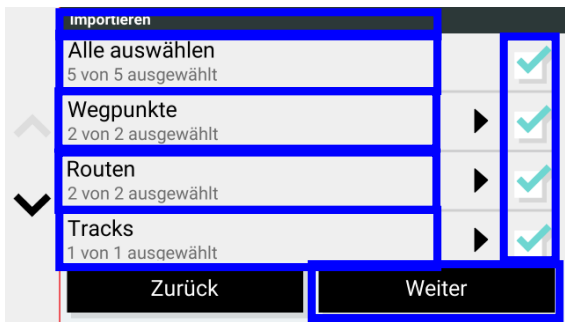
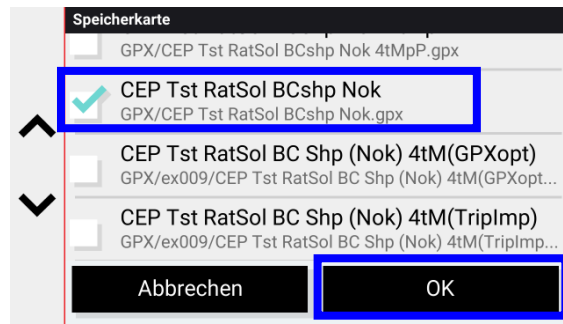
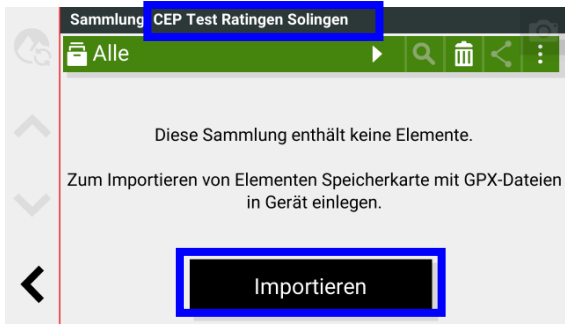


Solingen, (Deutschland, DE, Germany)

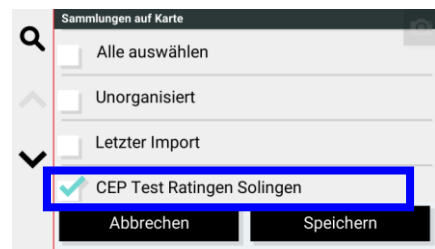
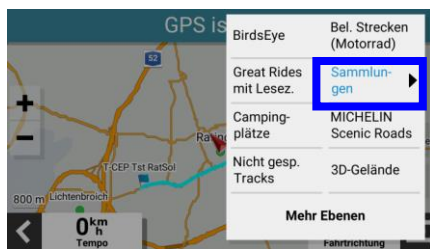
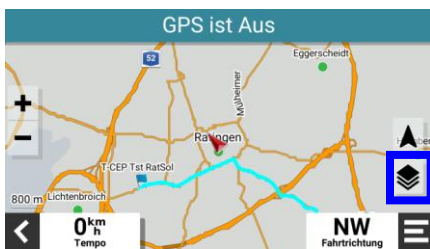


Import: Route and Track „CEP Tst RatSolBCShp Nok.gpx“

Import everything from „CEP Tst RatSolBCShp Nok.gpx“ (into a new collection if necessary).



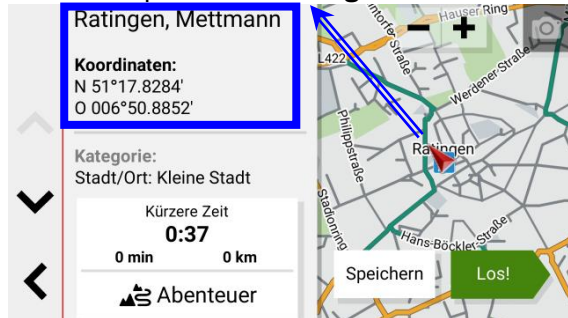
The view of the imported track or the selected collection is activated for checking purposes



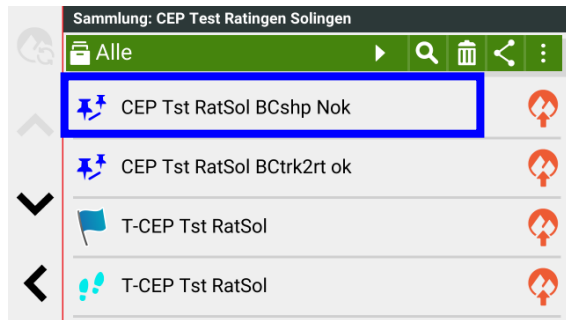
Initial Tests (1st – 2nd) seem to look good, but unfortunately not sustainable 😞

1st Test - from Ratingen - still looks good, but unfortunately not for long term use 😞

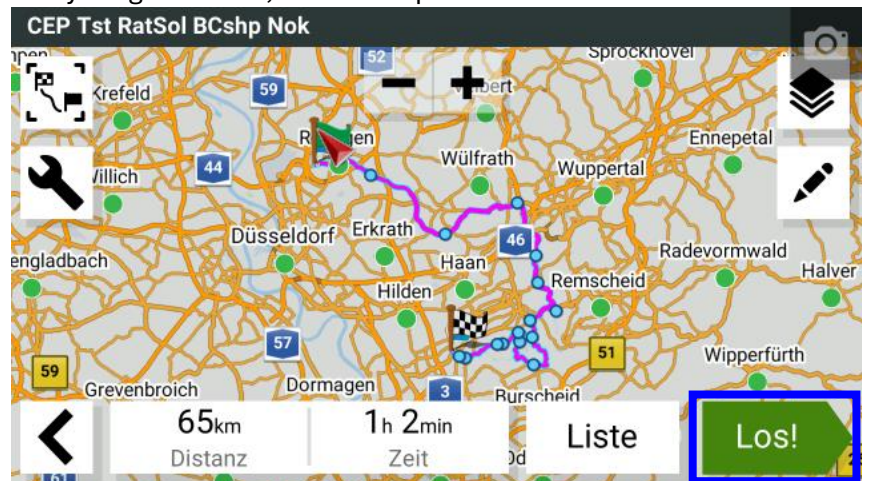
Simulated position = **Ratingen** near **Mettmann** (Deutschland, DE, Germany)



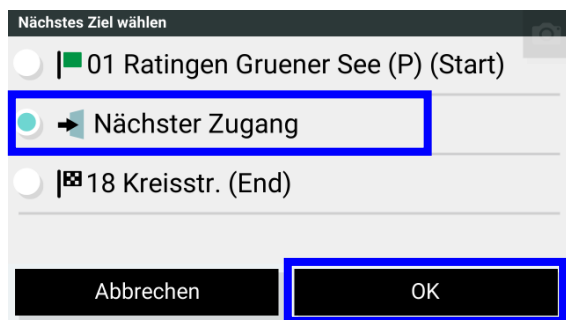
Select the route
„CEP Tst RatSol BCshp Nok“



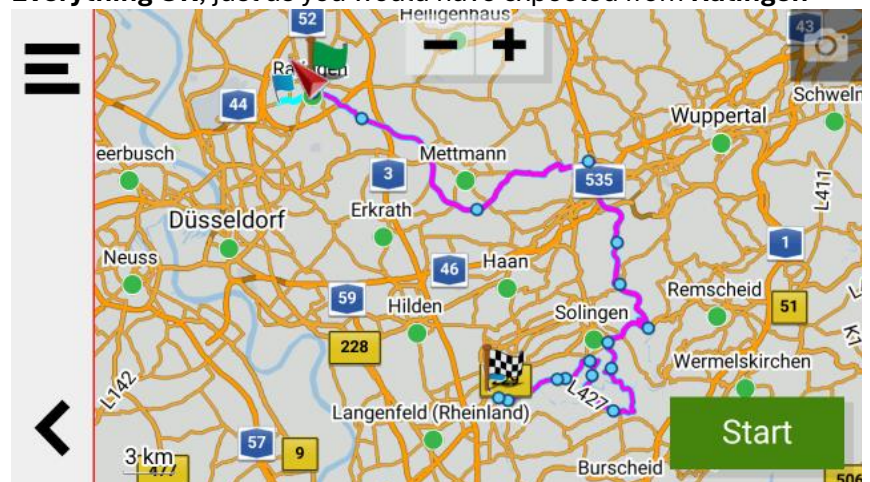
Start navigation of the route „CEP Tst RatSol BCshp Nok“
Everything is still OK, route is as planned



Next destination: „Closest Entry“ (CEP)

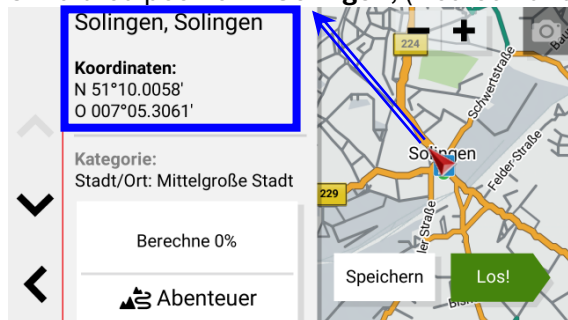


Navigation Preview of the route „CEP Tst RatSol BCshp Nok“
Everything OK, just as you would have expected from Ratingen

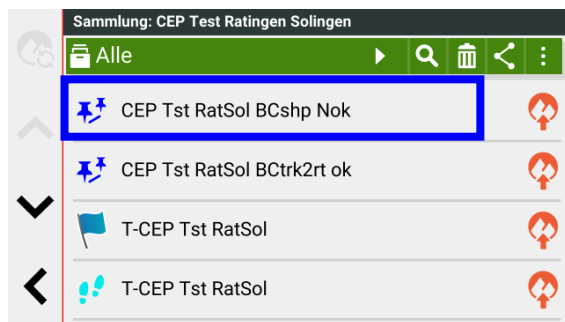


2nd Test - from Solingen - still looks good also, but unfortunately not for long term use 😞

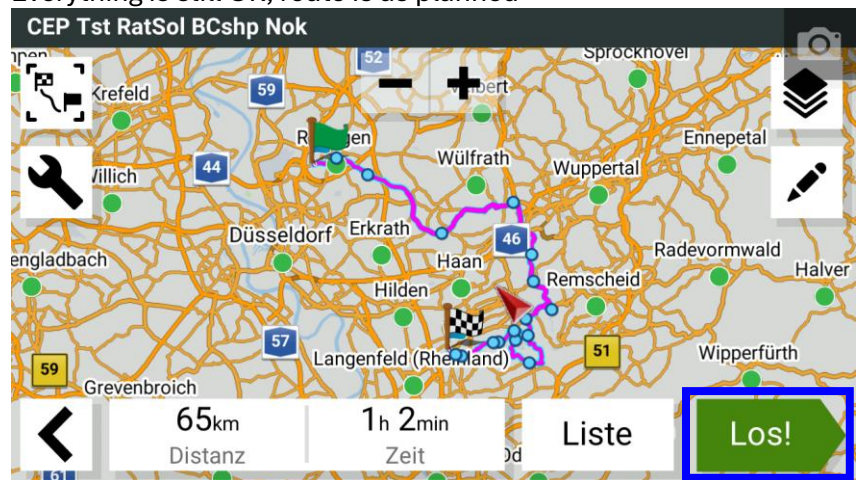
Simulated position = **Solingen**, (Deutschland, DE, Germany)



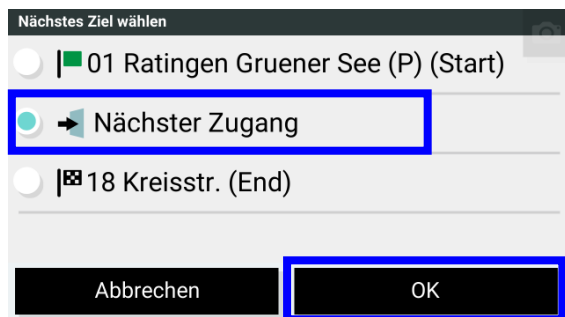
Select the route
„CEP Tst RatSol BCshp NoK“



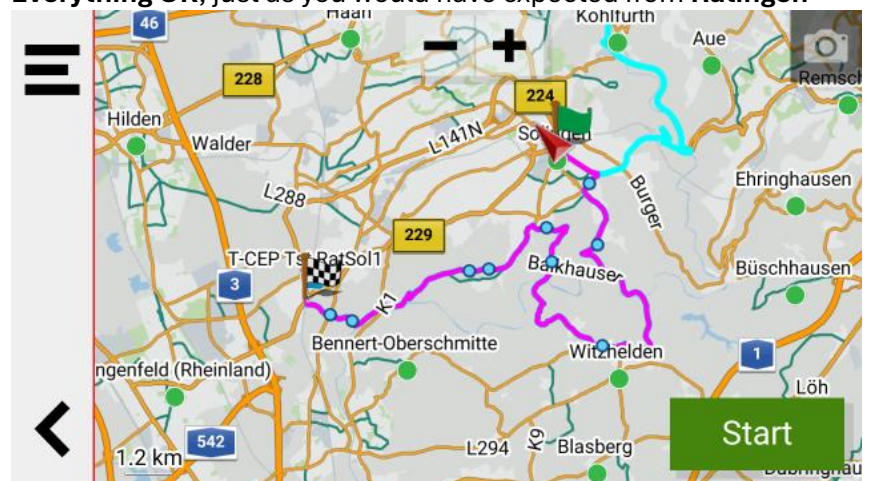
Start navigation of the route „CEP Tst RatSol BCshp NoK“
Everything is still OK, route is as planned



Next destination: „**Closest Entry**“ (CEP)



Navigation Preview of the route „CEP Tst RatSol BCshp NoK“
Everything OK, just as you would have expected from Ratingen



From now on it becomes problematic - as long as nothing happens, the “Closest Entry Point” (CEP) behavior remains as observed, but recalculations of any kind will destroy the entry function to the “Closest Entry Point” afterwards 😞

Preparation for further tests that reveal the incorrect behavior:

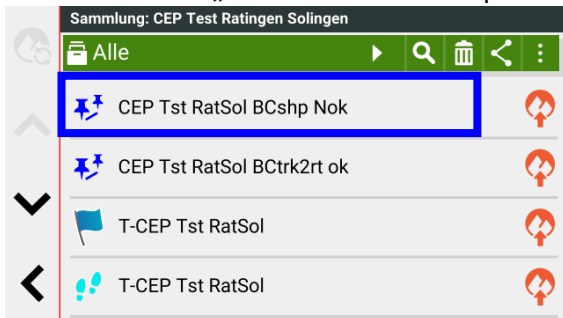
An example of initiating an action that leads to recalculation is saving the avoidances (without having to change them) in the Navigation settings menu.



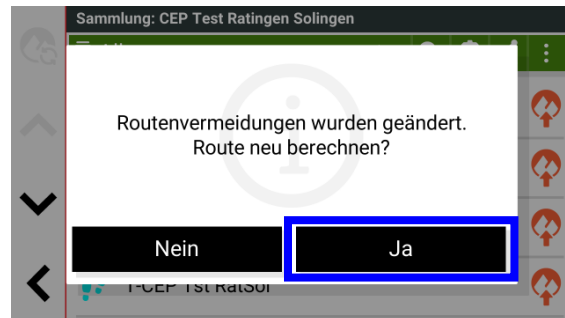
Alternatively, the route itself can also be recalculated by changing the planning algorithm (Fast > Short > Adventure etc.).

Recalculate route but nothing has been changed

Select the route „CEP Tst RatSol BCshp Nok“



let the XT2 recalculate the route



Recalculated result looks as good as before. Optionally can be changed to adventure (s) etc.



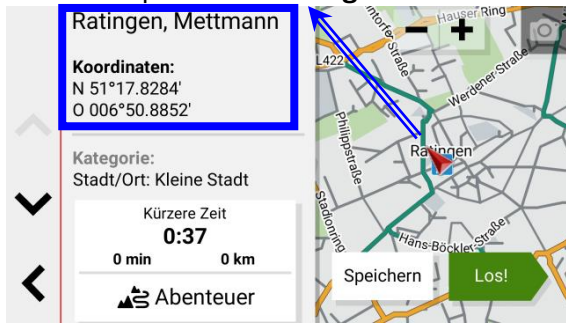
Save newly calculated route



From this point on, the routes have an incorrect “closest entry” (CEP) behavior / issue 😞

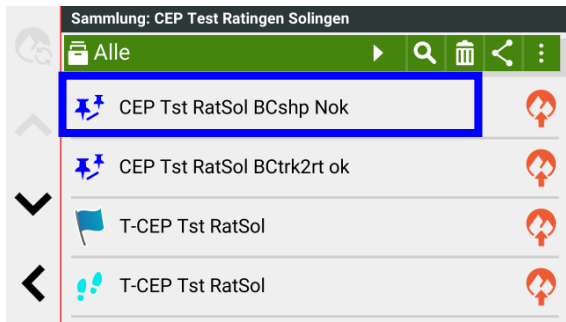
Faulty 3rd test, this time with a recalculated route, first from Ratingen again

Simulated position = **Ratingen bei Mettmann** (Deutschland, DE, Germany)

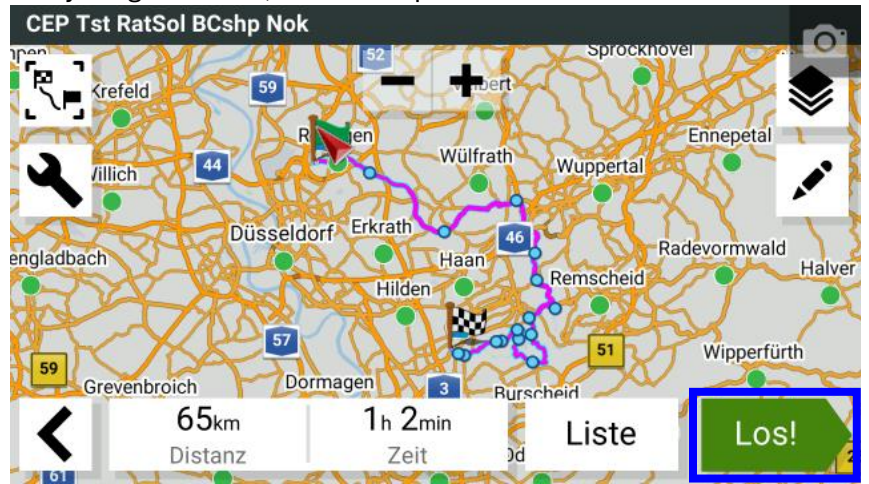


Recalculated route start from Ratingen

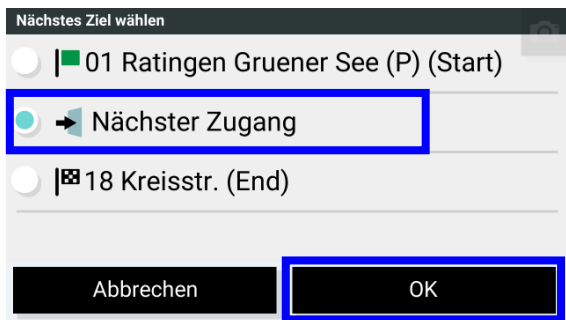
Select the route „CEP Tst RatSol BCshp Nok“



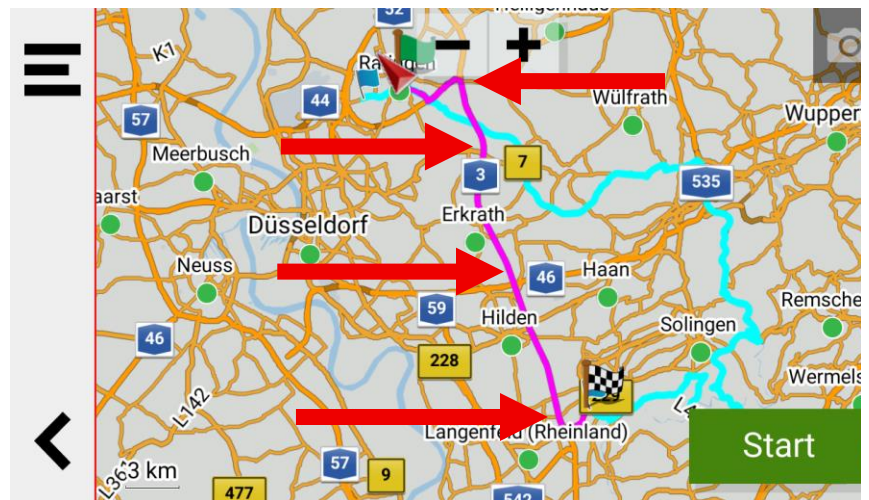
Start navigation of the route „CEP Tst RatSol BCshp Nok“
Everything is still OK, route is as planned



Next destination: „closest entry“ (CEP)

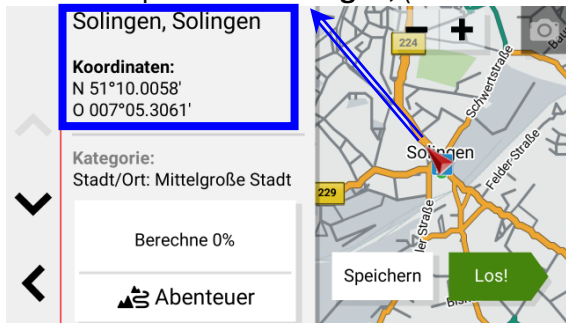


Issue: closest entry (CEP) and the following route ignores all shaping points from Ratingen which are still to be driven through



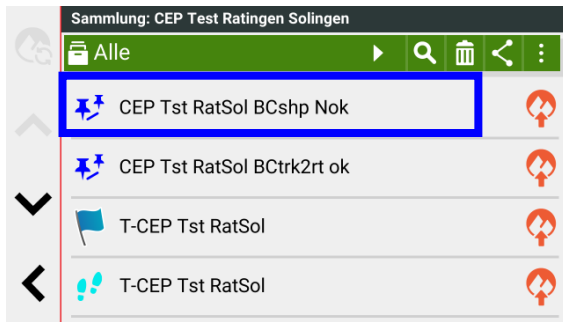
Faulty 4th test, this time with a recalculated route, now from Solingen

Simulated position = **Solingen**, (Deutschland, DE, Germany)

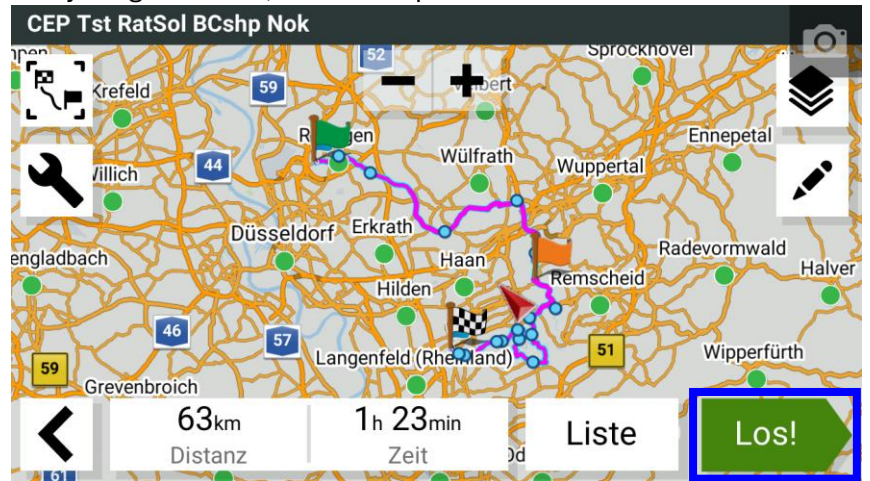


Recalculated route start from Solingen

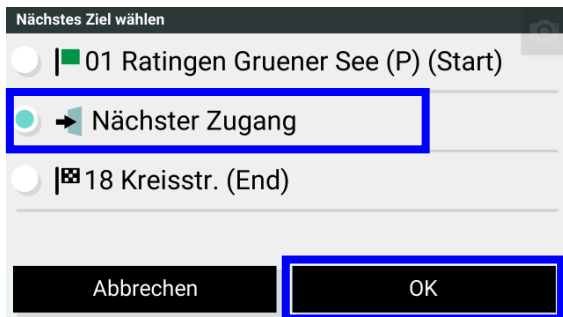
Select the route
„CEP Tst RatSol BCshp Nok“



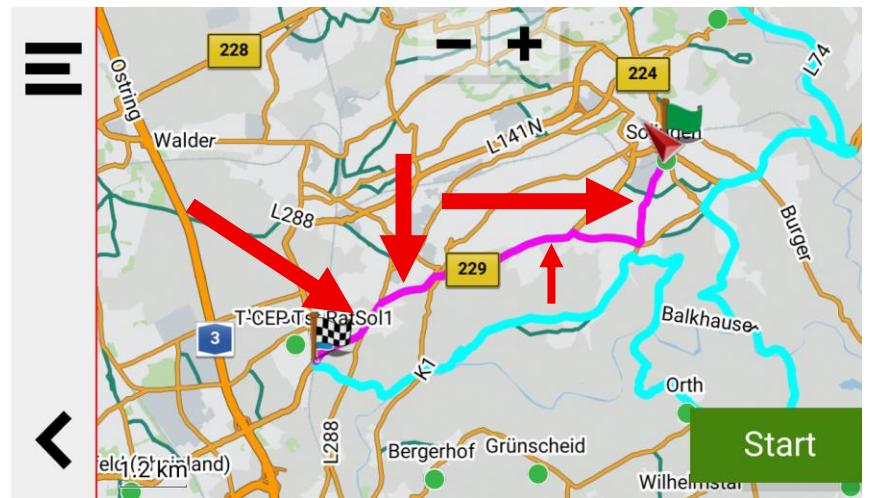
Start navigation of the route „CEP Tst RatSol BCshp Nok“
Everything is still OK, route is as planned



Next destination: „closest entry“ (CEP)



Issue: closest entry (CEP) and the following route ignores all shaping points from Solingen which are still to be driven through
☹☹☹☹



So, here's a possible workaround 1 on how to deal with the issue as quickly as possible while traveling.

Look for the next or following closest sharpest point, but it must be before the problematic one or it is best if you recognize the problematic one ;-).

Change / switch this (possibly in the worst case more than this) to a VIA point.

Workaround hint 2nd:

This “may” work by changing / switching a shaping point to a via point and letting it become a shaping point back again. The XT2 often corrects other shaping points automatically without being asked and often with positive effects.

Unfortunately, sometimes with negative effects such as deleted shaping points or shifted positions that you previously wanted to keep.

However, I will not go into these functions any further here, just try it out for yourself.

Workaround hint 3rd:

Sometimes it helps to have the route re-calculated from XT2, but unfortunately not always, as in the example described here. But it's definitely worth a try.

Workaround hint 4th:

The best way is of course a clean corrected route directly from the PC or that you correct it there.

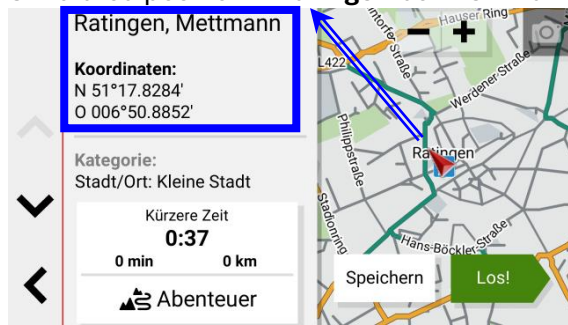
(But how do you want to do that on the road and you can't check CEP from every position beforehand ;-))

The TripManager is also a good choice here, because it can also correct some things with its post process, especially for shaping points.

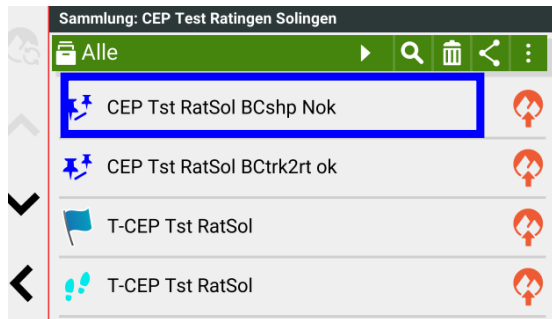
Try workaround 1 – Switch / Change Shaping point(s) to via Point(s)

Switch / Change Shaping point to Via Point for Ratingen first.

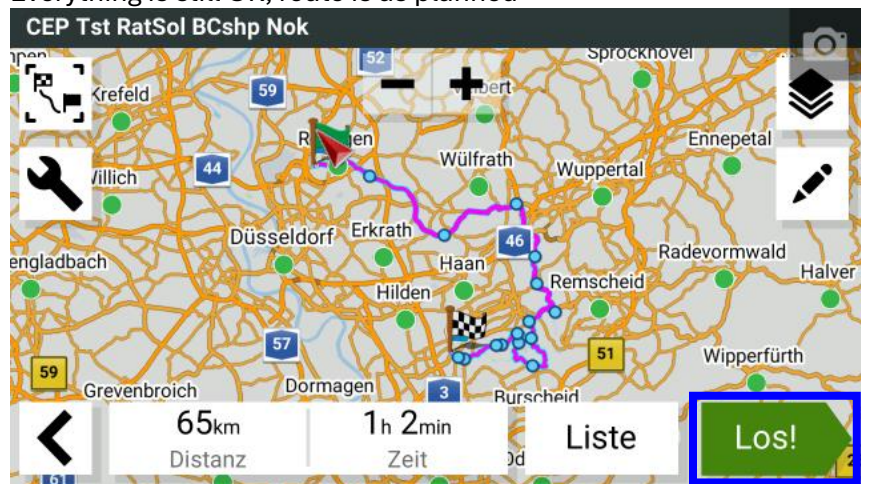
Simulated position = **Ratingen bei Mettmann** (Deutschland, DE, Germany)



Select the route
CEP Tst RatSol BCshp Nok"

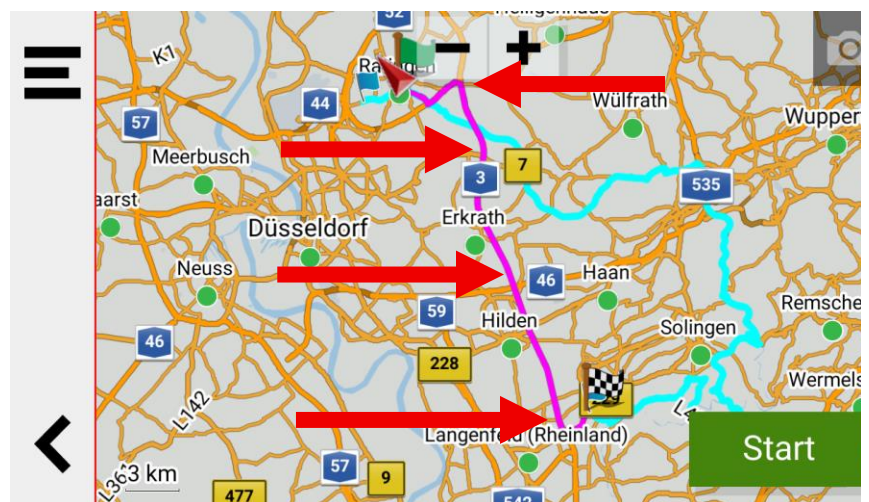
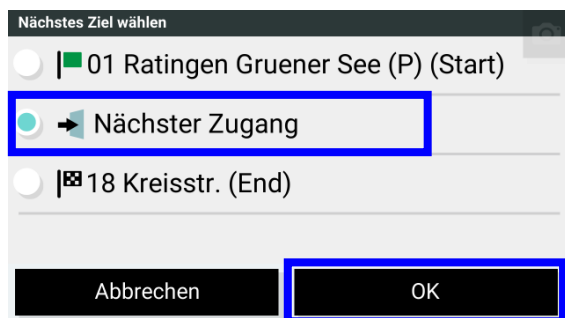


Optional - Start navigation of the route „CEP Tst RatSol BCshp Nok“ again. See what might have changed in the meantime. Everything is still OK, route is as planned.



Next destination: „closest entry“ (CEP)

Issue: closest entry (CEP) and the following route ignores all shaping points from Ratingen which are still to be driven through ☹️☹️☹️



Go back and edit the route



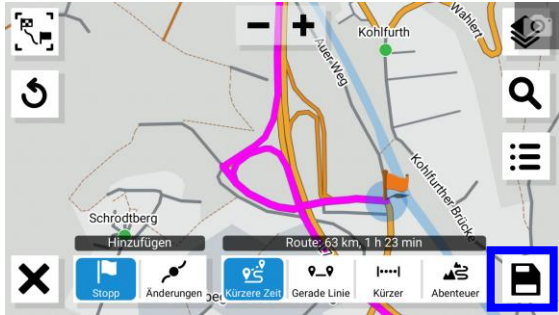
Zoom to your “chosen” suspect or closest shaping point. Select this may „07 Cafe Hubraum shp4issue“ touch the flag symbol and switch to a via point for this

Now this is an Via point. Confirm that.



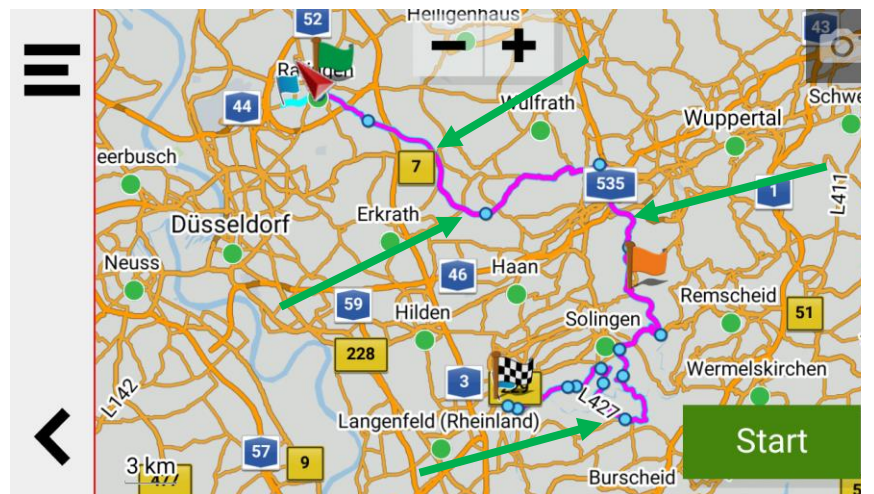
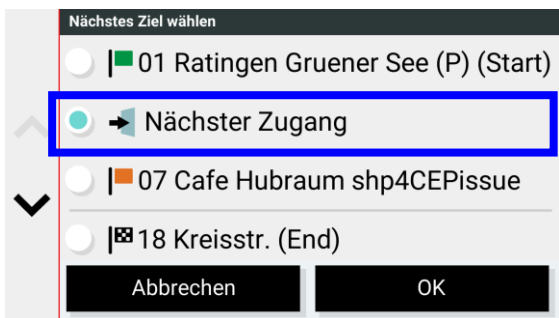
Save changes

Start navigation for the route navigation again



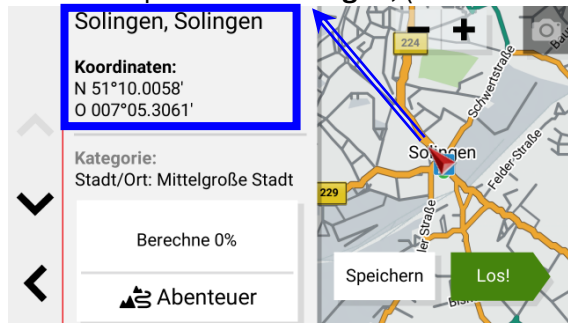
Next destination: „closest entry“ (CEP)

Everything is now OK for the CEP route start from Ratingen

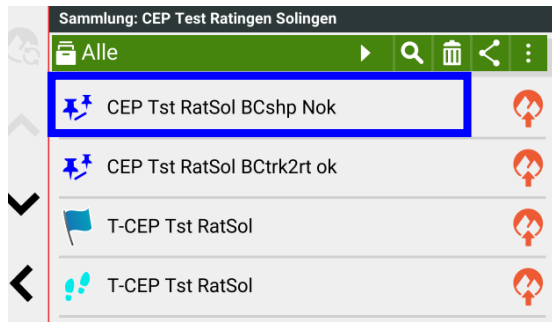


Switch / Change Shaping point to Via Point for Solingen second.

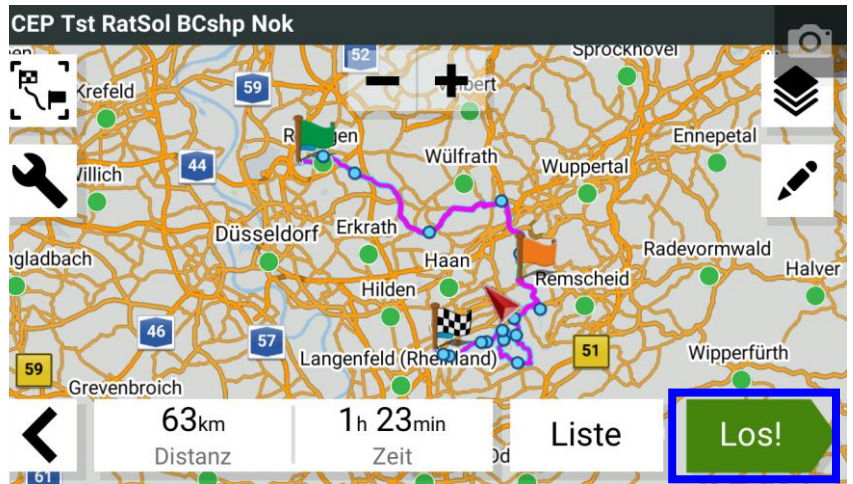
Simulated position = **Solingen**, (Deutschland, DE, Germany)



Select the route
CEP Tst RatSol BCshp Nok"



Optional - Start navigation of the route „CEP Tst RatSol BCshp Nok“ again. See what might have changed in the meantime. Everything is still OK, route is as planned

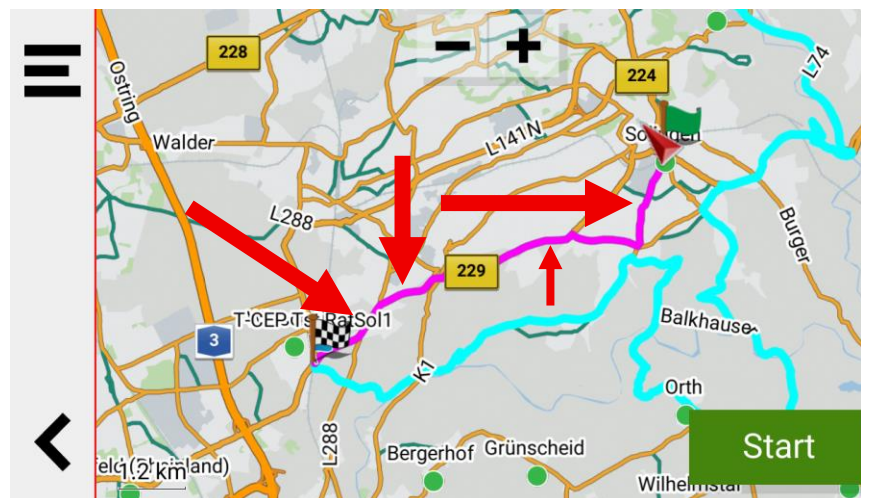
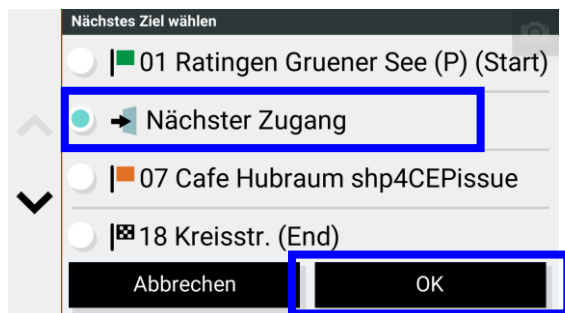


Issue: closest entry (CEP) and the following route ignores all shaping points from Solingen which are still to be driven through 😞😞😞

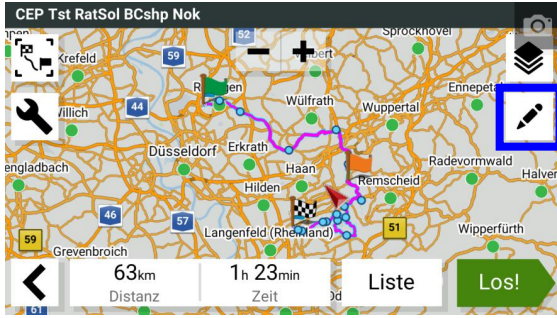
Next destination: „closest entry“ (CEP)

Remember, we had previously only found the problem for Start from Ratingen and so only changed "07 Cafe Hubraum shp4issue" to via point.

That was probably not enough, so let's continue here.



Go back and edit the route



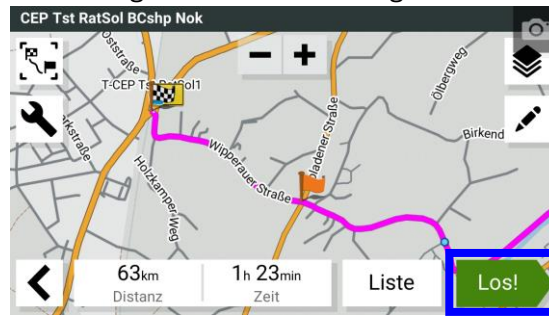
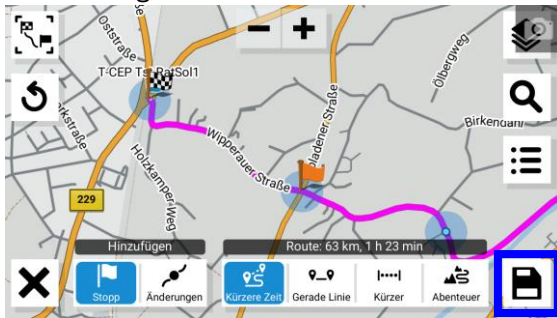
Zoom to your “chosen” suspect or closest shaping point. Select this may „17 Wipperauer Str. shp4issue“ touch the flag symbol and switch to a via point for this

Now this is an Via point. Confirm that.



Save changes

Start navigation for the route again



Next destination: „closest entry“ (CEP)

Everything is now OK for the **CEP** route start from **Solingen**

