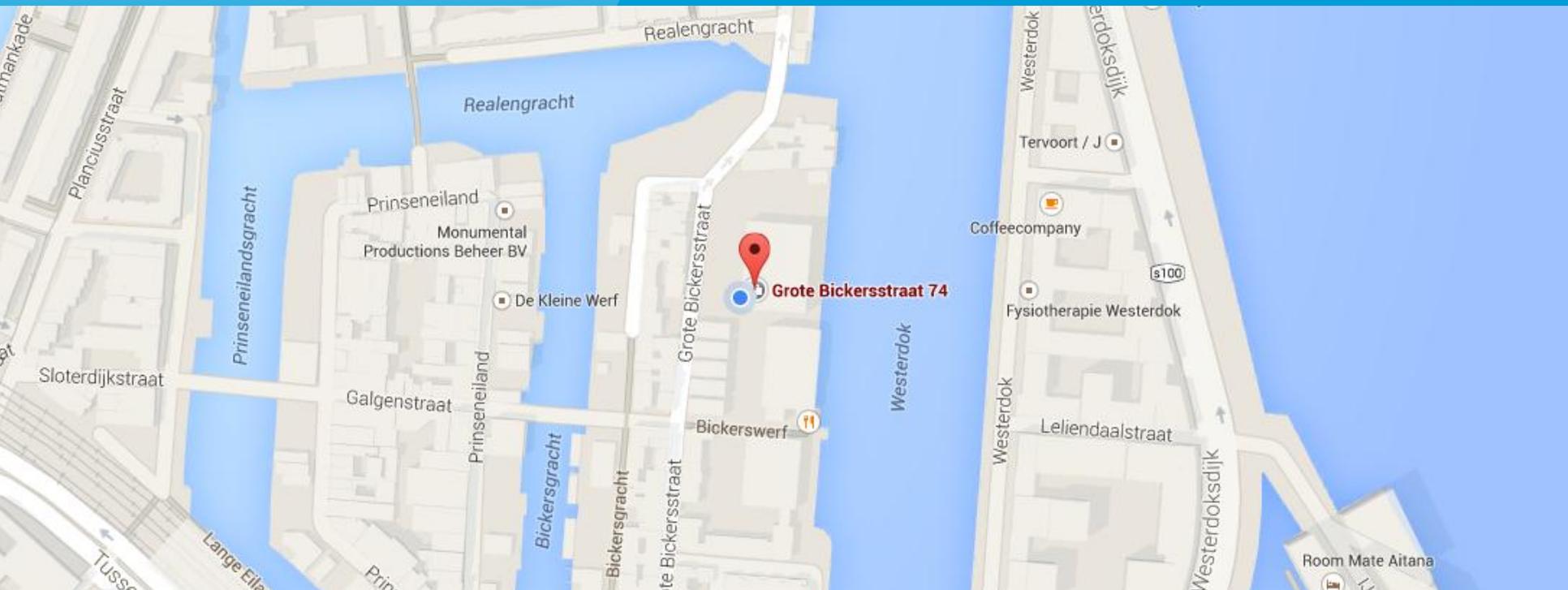




nfield

location validation



Configuration

description:

owner:

You can configure the location tracking settings on a survey level in the Nfield Manager

interviewer settings

location tracking:

- notify interviewer to enable GPS
- ask interviewer to validate location after each interview

required accuracy:

 meters

Time for interviewer to establish accuracy:

notify interviewer to enable GPS

GPS, compared to WiFi, gives more accuracy regarding the location of the interviewer. Turning on this option presents a dialog screen to the interviewer asking him to turn on the GPS functionality on the device.

ask interviewer to validate location after each interview

When you enable this option, after each interview an extra screen is presented to the interviewer where he needs to validate the location that is picked up by the GPS at that moment.

To make the location fix more accurate you can set extra options. One of these options is the level of required accuracy. This is set in number of meters.

To make sure the required accuracy is met by the interviewer you can set a minimum time interval before he can confirm the location and continue to the next survey. This allows the app to find the location during this period. This is set in number of minutes.

If you select '0' for the number of minutes the interviewer can confirm the location immediately.

Important note: the interviewer will not be presented the validate location screen if the required accuracy has already been met. During the first 30 seconds of any interview the location fix is running in the background trying to find a location with a default accuracy of at least a 100 meters.

Scenarios

Location accuracy not met

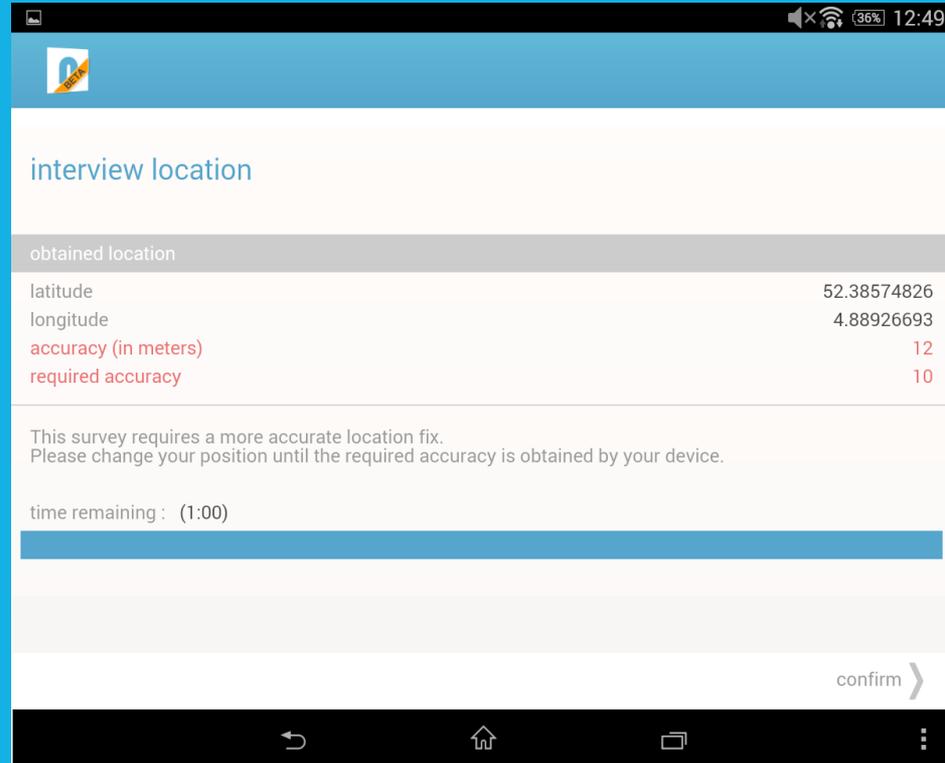
As mentioned before, the screen for validation of the location with the specification of the accuracy will only be shown when the requirements are not met.

In this case the requirements are not met. The required accuracy is set at 10 meters and GPS on the device only found an accuracy of 12 meters.

The interviewer will be given 1 minute to find an accuracy of 10 meters or less.

In red font the interviewer can see the current and required accuracy and a blue bar for time.

The confirm button is disabled during the remaining time.

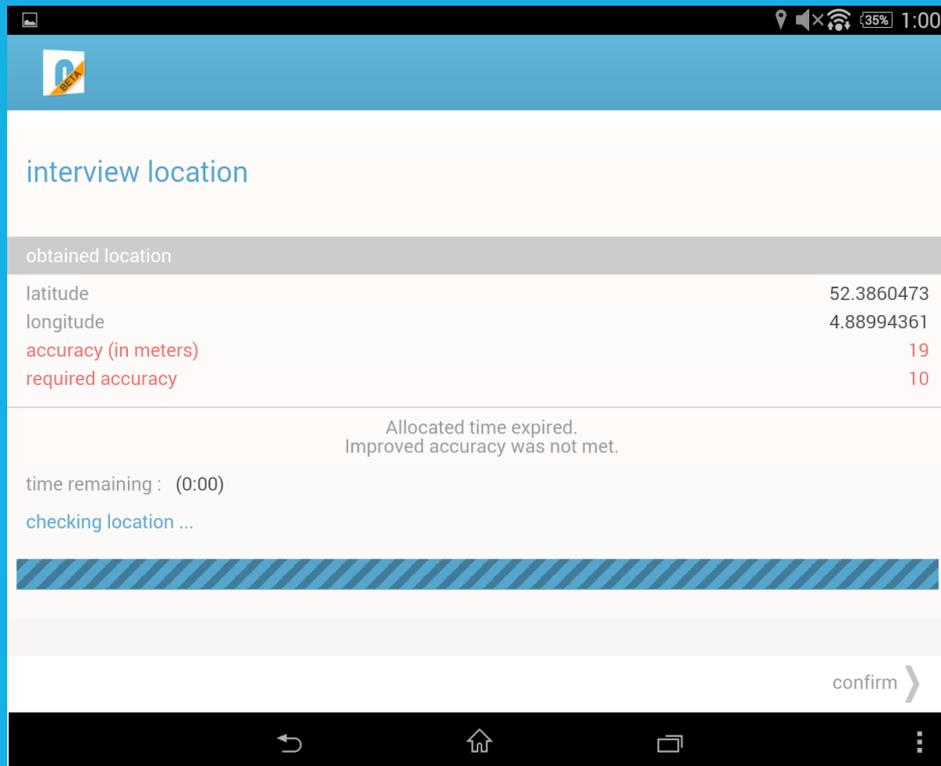


Location accuracy not met after time elapsed

If the interviewer cannot find the required accuracy within the set time frame, in this case 1 minute, new options will be presented.

The interviewer is notified that the allocated time for finding a position within the required accuracy has been expired.

The interviewer can now confirm the current location with the current accuracy as being presented in the screen or he can wait if he thinks conditions will soon improve in finding the required accuracy.

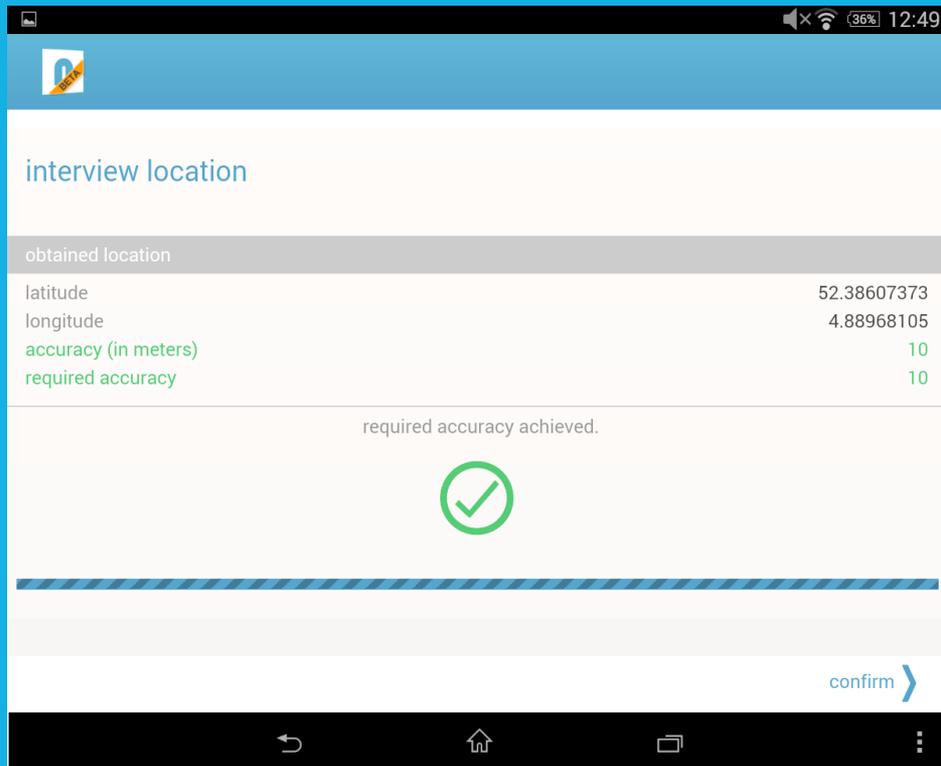


Location accuracy met

If the interviewer did get the required accuracy within the set time, in this case 1 minute, the location screen will confirm that to the interviewer.

Interviewer is being notified that the required accuracy has been met.

A green checkmark is presented on the screen and the confirm button can be clicked to continue to the next interview.



Location Validation State

In the data field **Location Validation State** there are 4 possible outcomes.

Interview

The information comes from the first 30 seconds from the interview. The location fix runs in the background and when specifications are met it will not show the 'validate location' screen to the interviewer at the end of an interview.

Forcewait

The information comes from the 'validate location' screen and accuracy is met during the time interval.

Forcewaitexpired

The information comes from the 'validate location' screen and the accuracy is not met with time interval.

Retry

The information comes from the 'validate location' screen and the accuracy is not met, without any time interval.



nfield

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