CLAIMS

1. A communication method, comprising:

obtaining global navigation satellite system GNSS location information in a preset time period, wherein a moment at which a terminal device starts to obtain the GNSS location information is a first moment, and a moment at which the terminal device completes obtaining the GNSS location information is a second moment; and

allowing triggering a conditional handover CHO after the second moment; or

prohibiting triggering the CHO in the preset time period; or

allowing triggering the CHO in the preset time period.

2. The method according to claim 1, wherein allowing triggering the CHO in the preset time period comprises:

determining, based on remaining service duration, whether to evaluate the CHO trigger condition, wherein the remaining service duration is remaining duration in which a source network device is capable of providing a service for the terminal device.

3. The method according to claim 1 or 2, wherein the method further comprises:

after obtaining the GNSS location information, triggering a timing advance report TAR; or

prohibiting the terminal device from triggering a TAR between the first moment and the second moment; or

triggering a first TAR between the first moment and the second moment; and determining based on a first variation, whether to cancel the first TAR, wherein the first variation is a variation of a first TA relative to a second TA, the first TA is obtained based on the GNSS location information, and the second TA is a TA most recently reported; or

prohibiting the terminal device from generating a timing advance report media access control control element MAC CE between the first moment and the second moment, wherein the timing advance report MAC CE is used to report a TA.

4. The method according to claim 3, wherein after obtaining the GNSS location information, triggering the TAR comprises:

determining the first variation after obtaining the GNSS location information; and

triggering the TAR when the first variation is greater than or equal to a preset threshold.

5. The method according to claim 3, wherein determining, based on the first variation, whether to cancel the first TAR comprises:

canceling the first TAR when the first variation is less than a preset threshold.

6. The method according to claim 3, wherein prohibiting the terminal device from generating the timing advance report MAC CE between the first moment and the second moment comprises:

between the first moment and the second moment, prohibiting the terminal device from using an uplink shared channel UL-SCH resource and triggering a scheduling request.

7. The method according to any one of claims 1 to 6, wherein the terminal device is an Internet of Things terminal.

8. The method according to any one of claims 1 to 7, wherein the method further comprises:

skipping performing at least one task of the following during GNSS measurement: radio link monitoring, cell selection, serving cell measurement, neighboring cell measurement, system information reading, or radio link reestablishment.

9. The method according to claim 8, wherein the terminal device starts a first timer, and the terminal device performs the at least one task during running of the first timer; and the method further comprises:

when the terminal device starts the GNSS measurement before the first timer expires, suspending the first timer during the GNSS measurement.

10. The method according to claim 8 or 9, wherein the method further comprises:

resuming the first timer after the GNSS measurement is completed.

11. The method according to any one of claims 8 to 10, wherein the method further comprises:

suspending the first timer before the GNSS measurement starts.

12. The method according to claim 9 or 10, wherein the first timer is any one of T310, T311, or T301.

13. A communication apparatus, comprising a unit configured to perform the method according to any one of claims 1 to 12.

14. A communication apparatus, comprising a communication interface and a processor, wherein the processor is configured to execute a computer program or instructions, to cause the communication device to perform the method according to any one of claims 1 to 12.

15. A communication system, wherein the communication system comprises a terminal device and a network device; and

the terminal device is configured to perform the method according to any one of claims 1 to 12.

16. A computer-readable storage medium, comprising a computer program or instructions, wherein when the computer program or the instructions are run on a computer, the computer is caused to perform the method according to any one of claims 1 to 12.

17. A computer program product, comprising instructions, wherein when the instructions are run on a computer, the computer is caused to perform the method according to any one of claims 1 to 12.