What is claimed is:

1. A communication method, performed by a user equipment, comprising:

obtaining first information and/or a first signal sent by a network device; wherein the first information and/or the first signal is used for determining a service area and/or a coverage area provided by a first target object, and/or the first information is used for indicating a relevant operation to be performed; wherein, the first target object comprises one or more of: at least one beam, at least one cell and at least one satellite; and

performing the relevant operation based on the first information and/or the first signal; wherein the relevant operation comprises one or more of: satellite handover, cell handover, roaming request, beam switching, cell access, and uplink/downlink synchronization.

2. The communication method according to claim 1, wherein the first signal comprises one or more of: a primary synchronization signal, a secondary synchronization signal, and a synchronization signal block (SSB).

3. The communication method according to claim 1, wherein the first information comprises one or more of the following:

second information, used for indicating area information of the service area and/or the coverage area provided by the first target object;

third information, used for indicating information about change of a satellite that provides coverage and/or services to the user equipment;

fourth information, used for indicating information about a satellite that provides coverage and/or services to the user equipment after satellite handover;

fifth information, used for indicating the relevant operation to be performed by the user equipment;

sixth information, used for indicating configuration information for the first target object to provide services and/or coverage;

seventh information, used for indicating measurement configuration information for the user equipment to measure the first target object.

4. The communication method according to claim 1 or 2, wherein the first signal satisfies one or more of the following:

the first signals corresponding to different obtained beams are the same;

the first signals corresponding to different areas of the at least one cell are the same;

the first signals corresponding to service areas and/or coverage areas provided by different satellites are the same.

5. The communication method according to claim 1, wherein the first information is indicated by a resource location of the first signal in the at least one beam and/or the at least one cell; wherein, in a case that areas of the at least one beam and/or the at least one cell are different, the first signal is sent at different resource locations.

6. The communication method according to claim 3, wherein the configuration information indicated by the sixth information comprises:

correspondence relationship information, used for indicating a relationship between a resource location where the network device sends the first signal and at least one of a corresponding beam, cell, cell area, satellite service area, or satellite coverage area.

7. The communication method according to claim 3, wherein the configuration information indicated by the sixth information comprises one or more of the following:

one or more of: time information about when the first target object sends SSB, frequency domain location information about where the first target object sends SSB, SSB index information, and channel state information reference signal (CSI-RS) resource information;

one or more of time difference, frequency offset, and phase difference between SSBs, sent by the at least one satellite, reaching the user equipment or a reference position;

time information about when the first target object provides and/or stops service;

wherein the time information about when the first target object sends SSB comprises one or more of: periodicity, start value, and duration.

8. The communication method according to claim 3, further comprising:

differentiating, based on the configuration information indicated by the sixth

information, different first target objects that send the same PCI and/or the same SSB sequence; and

performing a corresponding measurement and/or handover operation according to the differentiated first target objects.

9. The communication method according to claim 7, further comprising:

based on one or more of the time difference, frequency offset, and phase difference between an SSB sent by a first satellite reaching the user equipment or the reference position and an SSB sent by a second satellite reaching the user equipment or the reference position, determining whether to merge results of separate measurements of the SSB sent by the first satellite and the SSB sent by the second satellite.

10. The communication method according to claim 9, wherein, based on one or more of the time difference, frequency offset, and phase difference between an SSB sent by a first satellite reaching the user equipment or the reference position and an SSB sent by a second satellite reaching the user equipment or the reference position, determining whether to merge results of separate measurements of the SSB sent by the first satellite and the SSB sent by the second satellite comprises:

in a case that a value of at least one of the time difference, frequency offset, or phase difference between the SSB sent by the first satellite reaching the user equipment or the reference position and the SSB sent by the second satellite reaching the user equipment or the reference position is less than or equal to a preset threshold, determining to merge the results of the separate measurements of the SSB sent by the first satellite and the SSB sent by the second satellite.

11. The communication method according to claim 8, wherein, differentiating, based on the configuration information, different first target objects that send the same PCI and/or the same SSB sequence comprises:

based on the configuration information indicated by the sixth information, obtaining multiple different measurement configurations configured by a serving cell to the user equipment according to one carrier/frequency band that correspond to areas served by different first target objects; or, obtaining multiple different measurement configurations configured by the serving cell to the user equipment according to one

carrier/frequency band; and

based on the multiple different measurement configurations and the measurement configuration information indicated by the seventh information, after performing differentiated measurements at corresponding resource locations, differentiating the different first target objects that send the same PCI and/or the same SSB sequence.

12. A communication method, performed by a network device, comprising:

sending first information and/or a first signal to a user equipment; wherein the first information and/or the first signal is used for determining a service area and/or a coverage area provided by a first target object, and/or the first information is used for indicating a relevant operation to be performed; wherein, the first target object comprises one or more of: at least one beam, at least one cell and at least one satellite.

13. The communication method according to claim 12, wherein the first signal comprises one or more of: a primary synchronization signal, a secondary synchronization signal, and a synchronization signal block (SSB);

or,

wherein the first signal satisfies one or more of the following:

the first signals corresponding to different obtained beams are the same;

the first signals corresponding to different areas of the at least one cell are the same;

the first signals corresponding to service areas and/or coverage areas provided by different satellites are the same;

or,

wherein the first information is indicated by a resource location of the first signal in the at least one beam and/or the at least one cell; wherein, in a case that areas of the at least one beam and/or the at least one cell are different, the first signal is sent at different resource locations.

14. A communication apparatus, applied to a user equipment, comprising:

an obtaining unit, configured to obtain first information and/or a first signal sent by a network device; the first information and/or the first signal is used for determining a service area and/or a coverage area provided by a first target object, and/or the first information is used for indicating a relevant operation to be performed; wherein, the

first target object comprises one or more of at least one beam, at least one cell, and at least one satellite;

an access unit, configured to perform the relevant operation based on the first information and/or the first signal; wherein the relevant operation comprises one or more of: satellite handover, cell handover, roaming request, beam switching, cell access, and uplink/downlink synchronization.

15. A communication apparatus, applied to a network device, comprising:

a sending unit, configured to send first information and/or a first signal to a user equipment; wherein the first information and/or the first signal is used for determining a service area and/or a coverage area provided by a first target object, and/or the first information is used for indicating a relevant operation to be performed; wherein, the first target object comprises one or more of: at least one beam, at least one cell and at least one satellite.