

WHAT IS CLAIMED IS:

1. A method for receiving measurement configuration information, performed by a user equipment, comprising:

receiving measurement configuration information from a network device, wherein the measurement configuration information comprises more than one SSB-based measurement timing configuration (SMTC) corresponding to a same measurement object, and SMTCs of different neighbor cells to be measured corresponding to the same measurement object are different;

measuring the neighbor cell to be measured corresponding to the measurement object according to the measurement configuration information.

2. The method of claim 1, further comprising:

sending measurement assistance information to the network device, wherein the measurement assistance information comprises a transmission delay difference between a satellite corresponding to a serving cell and a satellite corresponding to the neighbor cell to be measured.

3. The method of claim 1, further comprising:

sending measurement assistance information to the network device, wherein the measurement assistance information comprises location information of the user equipment, and wherein the location information of the user equipment is used by the network device to calculate a transmission delay difference between a satellite corresponding to a serving cell and a satellite corresponding to the neighbor cell to be measured according to the location information of the user equipment.

4. The method of claim 2 or 3, wherein

the SMTC of the neighbor cell to be measured corresponding to the same measurement object in the measurement configuration information is determined by the network device according to the corresponding transmission delay difference.

5. The method of claim 2 or 3, further comprising:

receiving, from the network device, indication information indicating the user equipment to report the measurement assistance information.

6. The method of claim 5, wherein receiving, from the network device, indication

information indicating the user equipment to report the measurement assistance information comprises:

receiving a radio resource control (RRC) signaling, a medium access control (MAC) signaling, or downlink control information comprising the indication information from the network device; wherein, the indication information is used to indicate the user equipment to report the measurement assistance information.

7. The method of claim 1, wherein

offset values in the SMTCS of the different neighbor cells to be measured corresponding to the same measurement object in the measurement configuration information are different.

8. The method of claim 7, wherein

period values in the SMTCS of the different neighbor cells to be measured corresponding to the same measurement object in the measurement configuration information are same or different; or

wherein

duration values in the SMTCS of the different neighbor cells to be measured corresponding to the same measurement object in the measurement configuration information are same or different.

9. The method of claim 1, wherein

measurement gap configurations for different neighbor cells to be measured corresponding to the same measurement object are different;

the measurement gap configuration comprises: a gap offset value, a gap length, a gap repetition period, a gap timing advance.

10. A method for sending measurement configuration information, performed by a network device, comprising:

sending measurement configuration information to a user equipment, wherein the measurement configuration information comprises more than one SSB-based measurement timing configuration (SMTC) corresponding to a same measurement object, and SMTCs of different neighbor cells to be measured corresponding to the same measurement object are different; and the measurement configuration information is used by the user equipment to measure the neighbor cell to be measured corresponding to the measurement object according

to the measurement configuration information.

11. The method of claim 10, further comprising:

receiving measurement assistance information sent by the user equipment, wherein the measurement assistance information comprises a transmission delay difference between a satellite corresponding to a serving cell and a satellite corresponding to the neighbor cell to be measured.

12. The method of claim 11, further comprising:

receiving measurement assistance information sent by the user equipment, wherein the measurement assistance information comprises location information of the user equipment;
calculating a transmission delay difference between a satellite corresponding to a serving cell and a satellite corresponding to the neighbor cell to be measured according to the location information of the user equipment.

13. The method of claim 11 or 12, further comprising:

determining the SMTC of the neighbor cell to be measured corresponding to the same measurement object according to the transmission delay difference.

14. The method of claim 11 or 12, further comprising:

sending, to the user equipment, indication information indicating the user equipment to report the measurement assistance information.

15. The method of claim 14, wherein sending, to the user equipment, indication information indicating the user equipment to report the measurement assistance information comprises:

sending a radio resource control (RRC) signaling, a medium access control (MAC) signaling, or downlink control information comprising the indication information to the user equipment; wherein, the indication information is used to indicate the user equipment to report the measurement assistance information.

16. The method of claim 10, wherein

offset values in the SMTCs of the different neighbor cells to be measured corresponding to the same measurement object in the measurement configuration information are different.

17. The method of claim 16, wherein

period values in the SMTCs of the different neighbor cells to be measured corresponding

to the same measurement object in the measurement configuration information are same or different; or

duration values in the SMTCs of the different neighbor cells to be measured corresponding to the same measurement object in the measurement configuration information are same or different.

18. The method of claim 10, wherein

measurement gap configurations for different neighbor cells to be measured corresponding to the same measurement object are different;

the measurement gap configuration comprises: a gap offset value, a gap length, a gap repetition period, a gap timing advance.

19. A user equipment, comprising:

a transceiver, configured to receive measurement configuration information from a network device, wherein the measurement configuration information comprises more than one SSB-based measurement timing configuration (SMTC) corresponding to a same measurement object, and SMTCs of different neighbor cells to be measured corresponding to the same measurement object are different;

a processor, configured to measure the neighbor cell to be measured corresponding to the measurement object according to the measurement configuration information.

20. A network device, comprising:

a transceiver, configured to send measurement configuration information to a user equipment, wherein the measurement configuration information comprises more than one SSB-based measurement timing configuration (SMTC) corresponding to a same measurement object, and SMTCs of different neighbor cells to be measured corresponding to the same measurement object are different; and the measurement configuration information is used by the user equipment to measure the neighbor cell to be measured corresponding to the measurement object according to the measurement configuration information.