

[00152] It should be noted that the apparatus provided in the above embodiments is illustrated only by the division of the above functional modules when implementing its function. In actual application, the above functions can be completed by different functional modules as needed, that is, the internal structure of the device is divided into different functional modules to complete all or part of the functions described above. In addition, the apparatus and method embodiments provided in the above embodiments belong to the same concept, and the specific implementation process is detailed in the method embodiment, which will not be repeated here.

[00153] FIG. 13 shows a block diagram of a time indication apparatus provided by an example embodiment of the present application. Referring to FIG. 13, the apparatus includes:

[00154] a receiving module 1301, used to receive second information or third information sent by a serving cell, wherein the second information is used to indicate an expected duration for a neighboring cell to send uplink scheduling information to the terminal, and the third information is used to indicate an actual duration for the neighboring cell to send uplink scheduling information to the terminal; and

[00155] a monitoring module 1303, used to monitor the uplink scheduling information sent by the neighboring cell based on the second information or the third information.

[00156] In some embodiments, referring to FIG. 14, the apparatus also includes:

[00157] a processing module 1302, used to initiate a random access process in a case that the uplink scheduling information sent by the neighboring cell is not monitored within a duration corresponding to the second information or the third information.

[00158] It should be noted that the apparatus provided in the above embodiments is illustrated only by the division of the above functional modules when implementing its function. In actual application, the above functions can be completed by different functional modules as needed, that is, the internal structure of the device is divided into different functional modules to complete all or part of the functions described above. In addition, the apparatus and method embodiments provided in the above embodiments belong to the same concept, and the specific implementation process is detailed in the method embodiment, which will not be repeated here.

[00159] FIG. 15 shows a schematic diagram of the structure of a communication

Claims

1. A time indication method, performed by an access network device providing a serving cell for a terminal, and the method comprising:

sending first information to a neighboring cell, wherein the first information indicates a time for the terminal to hand over to the neighboring cell.

2. The method according to claim 1, further comprising:

sending second information to the neighboring cell, wherein the second information indicates an expected duration for the neighboring cell to send uplink scheduling information to the terminal.

3. The method according to claim 1 or 2, further comprising:

receiving third information sent by the neighboring cell, wherein the third information indicates an actual duration for the neighboring cell to send uplink scheduling information to the terminal.

4. The method according to claim 1, further comprising:

sending second information or third information to the terminal, wherein the terminal is configured to monitor uplink scheduling information sent by the neighboring cell based on the second information or the third information.

5. The method according to claim 1, wherein the first information comprises at least one of a first moment or a first time period.

6. The method according to claim 5, wherein the first information comprises the first moment to indicate a moment when the neighboring cell sends uplink scheduling information to the terminal;

or,

the first information comprises the first time period to indicate that the moment when the neighboring cell sends uplink scheduling information to the terminal belongs to the first time period.

7. A time indication method, performed by an access network device covering a neighboring cell corresponding to a serving cell, and the method comprising:

receiving first information sent by the serving cell, wherein the first information indicates a time for a terminal to hand over to the neighboring cell.

8. The method according to claim 7, further comprising:

receiving second information sent by the serving cell, wherein the second information indicates an expected duration for the neighboring cell to send uplink scheduling information to the terminal.

9. The method according to claim 7 or 8, further comprising:

sending third information to the serving cell, wherein the third information indicates an actual duration for the neighboring cell to send uplink scheduling information to the terminal.

10. The method according to claim 7, wherein the first information comprises at least one of a first moment or a first time period.

11. The method according to claim 10, further comprising:

the first information comprising the first moment, and sending the uplink scheduling information to the terminal at the first moment;

or,

the first information comprising the first time period, and sending the uplink scheduling information to the terminal at any moment in the first time period.

12. The method according to claim 11, wherein a duration of sending the uplink scheduling information is an expected duration indicated by second information, or an actual duration indicated by third information.

13. A time indication method, performed by a terminal, and the method comprising:

receiving second information or third information sent by a serving cell, wherein the second information indicates an expected duration for a neighboring cell to send uplink scheduling information to the terminal, and the third information indicates an actual duration for the neighboring cell to send uplink scheduling information to the terminal; and

monitoring the uplink scheduling information sent by the neighboring cell based on the second information or the third information.

14. The method according to claim 13, further comprising:

initiating a random access process in a case that the uplink scheduling information sent by the neighboring cell is not monitored within a duration corresponding to the second information or the third information.

15. A time indication apparatus, wherein the apparatus is arranged in an access network device providing a serving cell for a terminal, and the apparatus comprises:

a sending module, configured to send first information to a neighboring cell, wherein the first information indicates a time for the terminal to hand over to the neighboring cell.

16. A time indication apparatus, wherein the apparatus is arranged in an access network device covering a neighboring cell corresponding to a serving cell, and the apparatus comprises:

a receiving module, configured to receive first information sent by the serving cell, wherein the first information indicates a time for a terminal to hand over to the neighboring cell.

17. A time indication apparatus, wherein the apparatus is arranged in a terminal, and the apparatus comprises:

a receiving module, configured to receive second information or third information sent by a serving cell, wherein the second information indicates an expected duration for a neighboring cell to send uplink scheduling information to the terminal, and the third information indicates an actual duration for the neighboring cell to send uplink scheduling information to the terminal; and

a monitoring module, configured to monitor the uplink scheduling information sent by the neighboring cell based on the second information or the third information.

18. A terminal, comprising:

a processor;

a transceiver connected to the processor; and

a memory storing instructions executable by the processor;

wherein the processor is configured to perform the time indication method according to any one of claims 13 to 14.

19. An access network device, comprising:

a processor;

a transceiver connected to the processor; and

a memory storing instructions executable by the processor;

wherein the processor is configured to perform the time indication method according to any one of claims 1 to 12.

20. A communication system, wherein the communication system comprises a terminal, an access network device and a core network device, the terminal is configured to implement the time indication method according to any one of claims 13 to 14, and the access network device is configured to implement the time indication method according to any one of claims 1 to 12.