

What is claimed is:

1. A random-access method, performed by a user equipment (UE), comprising:
 - receiving first information for instructing the UE to perform random-access, sent by a first cell; wherein the first information includes second information for indicating a second cell, the first cell is one of serving cells of the UE, and the second cell is a cell with an index different from that of the first cell;
 - sending a random-access message to the second cell according to the first information; wherein the second information includes one or more of the following:
 - configuration information index of the second cell;
 - random-access resource index of the second cell;
 - random preamble index of the second cell.
2. The random-access method according to claim 1, wherein the method further includes:
 - receiving a random-access response message sent by the second cell; wherein the random-access response message includes timing advance (TA) information of the second cell.
3. The random-access method according to claim 1, wherein the second information further includes one or more of the following:
 - index of the second cell;
 - reference signal index of the second cell.
4. The random-access method according to claim 3, wherein the method further includes:
 - determining resource information for sending the random-access message according to the second information and configuration information of at least one third cell;
 - wherein the second cell is one of the at least one third cell.
5. The random-access method according to claim 4, wherein the configuration information includes one or more of the following information:
 - random-access channel (RACH) resource;
 - random-access channel transmission occasion (RACH occasion);
 - association between RACH resource and synchronization signal block (SSB);
 - association between RACH occasion and SSB;
 - association between RACH resource and channel state information reference signal (CSI-RS);
 - association between RACH occasion and CSI-RS;
 - index of configuration information;

maximum transmit power (P_{cmax}).

6. The random-access method according to claim 4, wherein the resource information includes a preamble index of a random-access preambles and/or time frequency domain resources for sending the random-access preambles.

7. The random-access method according to claim 1, wherein the first information further includes a reference signal index;

the sending a random-access message to the second cell, includes:

sending the random-access message to the second cell by using a same spatial parameter as a reference signal indicated by the reference signal index.

8. The random-access method according to claim 1, wherein the method further includes:

calculating a transmission power of the random-access message according to the reference signal and/or power information corresponding to the second cell.

9. The random-access method according to claim 8, wherein the method further includes:

determining the reference signal corresponding to the second cell according to the reference signal index in the second information.

10. A random-access method, performed by a first cell, comprising:

sending first information for instructing a user equipment (UE) to perform random-access, to the UE; wherein the first information includes second information for indicating a second cell, the first cell is one of serving cells of the UE, and the second cell is a cell with an index different from that of the first cell;

wherein the second information includes one or more of the following:

configuration information index of the second cell;

random-access resource index of the second cell;

random preamble index of the second cell.

11. The random-access method according to claim 10, wherein the second information further includes one or more of the following:

index of the second cell;

reference signal index of the second cell

.

12. The random-access method according to claim 10, wherein the method further includes:

sending radio resource control (RRC) information to the UE; wherein the RRC information includes configuration information of at least one third cell, and the second cell is one of the at least one third cell;

wherein the configuration information includes one or more of the following information:

- random-access channel (RACH) resource;
- random-access channel transmission occasion (RACH occasion);
- association between RACH resource and synchronization signal block (SSB);
- association between RACH occasion and SSB;
- association between RACH resource and channel state information reference signal (CSI-RS);
- association between RACH occasion and CSI-RS;
- index of configuration information;
- maximum transmit power (P_{max}).

13. A random-access device, applied to a user equipment (UE), comprising:

- a receiving module configured to receive first information for instructing the UE to perform random-access, sent by a first cell; wherein the first information includes second information for indicating a second cell, the first cell is one of serving cells of the UE, and the second cell is a cell with an index different from that of the first cell;

- a first sending module configured to send a random-access message to the second cell according to the first information;

- wherein the second information includes one or more of the following:

- configuration information index of the second cell;
- random-access resource index of the second cell;
- random preamble index of the second cell.

14. A random-access device, performed by a first cell, comprising:

- a second sending module configured to send first information for instructing a user equipment (UE) to perform random-access, to the UE; wherein the first information includes second information for indicating a second cell, the first cell is one of serving cells of the UE, and the second cell is a cell with an index different from that of the first cell;

- wherein the second information includes one or more of the following:

- configuration information index of the second cell;
- random-access resource index of the second cell;
- random preamble index of the second cell.

15. A readable storage medium, comprising a program stored thereon; wherein the program, when executed by a processor, causes the processor to perform the random-access method according to any one of claims 1 to 9, or perform the random-access method according to any one of claims 10 to 12.