WHAT IS CLAIMED IS:

1. A method for reporting terminal capability information, performed by a terminal, the method comprising:

reporting (21) first terminal capability information for group paging;

wherein the first terminal capability information indicates whether or not the terminal supports a capability of grouping by using a statistical probability value of the terminal being paged, and the probability value of the terminal being paged is used by a core network device to determine group information for paging the terminal by group paging.

2. The method according to claim 1, wherein reporting (21) the first terminal capability information for the group paging comprises:

sending (41), to the first base station, a terminal capability report message for indicating the first terminal capability information.

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

receiving (51) second terminal capability information for the group paging sent by the first base station;

wherein the second terminal capability information indicates whether or not the first base station supports paging the terminal by the group paging.

4. A method for reporting terminal capability information, performed by a first base station, the method comprising:

receiving (71), from a terminal, first terminal capability information for group paging;

wherein the first terminal capability information indicates whether or not the terminal supports a capability of grouping by using a statistical probability value of the terminal being paged;

the method further comprising:

sending the first terminal capability information to a core network device, wherein the probability value of the terminal being paged is used by the core network device to determine group information for paging the terminal by group paging.

5. The method according to claim 4, wherein receiving (71) the first terminal capability

information for the group paging comprises:

receiving (101), from the terminal, a terminal capability report message for indicating the first terminal capability information.

6. The method according to claim 4 or 5, further comprising:

determining (121) the terminal re-selects or hands over from the first base station to a second base station; and

sending (122) the first terminal capability report message to the second base station.

7. The method according to claim 6, wherein sending (122) the first terminal capability information to the second base station comprises:

sending (131), to the second base station, a paging message for indicating the first terminal capability information.

8. The method according to any one of claims 4 to 7, further comprising:

sending (141) second terminal capability information for the group paging;

wherein the second terminal capability information indicates whether or not the first base station supports paging the terminal by the group paging.

9. A method for reporting terminal capability information, performed by a second base station, the method comprising:

receiving (151), first terminal capability information for group paging sent by a core network device or a first base station;

wherein the first terminal capability information indicates whether or not a terminal supports a capability of grouping by using a statistical probability value of the terminal being paged;

the method further comprising:

receiving first information sent by the first base station, wherein the first information indicates whether or not the terminal supports paging the terminal by group paging.

10. A method for reporting terminal capability information, performed by a core network device, the method comprising:

receiving first terminal capability information for group paging sent by a first base station,

wherein the first terminal capability information indicates whether or not a terminal supports a capability of grouping by using a statistical probability value of the terminal being paged,

the method further comprising:

determining group information for paging the terminal by group paging according to the probability value of the terminal being paged.

11. A terminal, which configured to perform the method according to any one of claims 1 to 3.

12. A base station, which configured to perform the method according to any one of claims 4 to 9.

13. A computer storage medium having stored therein computer-executable instructions that when executed by a processor of a terminal, cause the processor to perform the method of any one of claims 1 to 3.

14. A computer storage medium having stored therein computer-executable instructions that when executed by a processor of a terminal, cause the processor to perform the method of any one of claims 4 to 10.