

WHAT IS CLAIMED IS:

1. A method for requesting a positioning reference signal (PRS) configuration, performed by a terminal, the method comprising:

sending a long-term-evolution positioning protocol (LPP) message carrying a suggested PRS configuration to a core network element, wherein the suggested PRS configuration is a PRS configuration suggested by the terminal for terminal positioning;

wherein the method further comprises:

receiving a message that is sent by the core network element and carries a target PRS configuration, wherein the target PRS configuration is determined by the core network element based on the suggested PRS configuration.

2. The method as claimed in claim 1, wherein receiving the message that is sent by the core network element and carries the target PRS configuration comprises:

receiving an LPP message that is sent by the core network element and carries the target PRS configuration.

3. The method as claimed in claim 1, wherein the suggested PRS configuration comprises at least one of the following parameters:

a transmission period of the PRS;

a transmission bandwidth of the PRS; or

a transmission pattern of the PRS.

4. A method for requesting a positioning reference signal (PRS) configuration, performed by a core network element, the method comprising:

receiving a long-term-evolution positioning protocol (LPP) message carrying a suggested PRS configuration from a terminal, wherein the suggested PRS configuration is a PRS configuration suggested by the terminal for terminal positioning;

determining a target PRS configuration based on the suggested PRS configuration; and

feeding, the target PRS configuration by the message carrying the suggested PRS configuration, back to the terminal via a first base station.

5. A method for requesting a positioning reference signal (PRS) configuration, performed by a first base station, the method comprising:

receiving a message sent by a core network element and carrying a target PRS configuration, wherein the target PRS configuration is determined by the core network element according to a suggested PRS configuration carried in a long-term-evolution positioning protocol (LPP) message sent by a terminal; and

feeding, the target PRS back to the terminal.

6. A communication device, comprising:

an antenna;

a memory; and

a processor, connected to the antenna and the memory respectively, configured to, by executing computer-executable instructions stored on the memory, control transmission and reception of the antenna and perform the method in any one of claims 1 to 3, 4 or 5.

7. A computer storage medium storing computer-executable instructions, wherein the computer-executable instructions are executed by a processor, the method in any one of claims 1 to 3, 4 or 5 is performed.