

CLAIMS

What is claimed is:

1. A method for determining a terminal profile, wherein the method comprises:

obtaining, by a data analyzer, reference category information from a data detector, where the

5 reference category information refers to category information of one or more first terminals,

obtaining, by the data analyzer, a plurality of groups of profile detection data from a data detector, wherein the plurality of groups of profile detection data is determined by detecting one or more first terminals for a plurality of times; and

determining, by the data analyzer, a reference terminal profile based on the plurality of groups
10 of profile detection data, wherein the reference terminal profile refers to a terminal profile corresponding to a terminal that has the reference category information;

wherein the determining, by the data analyzer, a reference terminal profile based on the plurality of groups of profile detection data comprises:

extracting, by the data analyzer, corresponding key feature data from each of the plurality of
15 groups of profile detection data based on a reference profile type, wherein the reference profile type refers to a type corresponding to a terminal profile that currently needs to be determined; and

determining, by the data analyzer, the reference terminal profile based on a plurality of pieces of extracted key feature data, wherein

when the reference profile type is a link quality measurement type, the key feature data
20 comprises a protocol support label and protocol description data, the protocol support label indicates whether a corresponding terminal supports a corresponding link signal quality measurement protocol, and the protocol description data describes the corresponding link signal quality measurement protocol, wherein the reference terminal profile includes protocol support data, and the protocol support data is used to describe a link quality measurement protocol
25 supported by the terminal.

2. A method for determining a terminal profile, wherein the method comprises:

determining, by a data detector, a plurality of groups of profile detection data, wherein the plurality of groups of profile detection data is determined by detecting one or more first terminals
30 having reference category information for a plurality of times;

sending, by the data detector, reference category information to a data analyzer, wherein the reference category information refers to category information corresponding to the one or more first terminals; and

sending, by the data detector, the plurality of groups of profile detection data to a data analyzer, to enable the data analyzer to determine a reference terminal profile based on the plurality of groups of profile detection data, wherein the reference terminal profile refers to a terminal profile corresponding to a terminal that has the reference category information;

wherein a plurality of pieces of key feature data is extractable from each of the plurality of groups of profile detection data based on a reference profile type, wherein the reference profile type refers to a type corresponding to a terminal profile that currently needs to be determined,

wherein the reference profile type is a link quality measurement type, the key feature data comprises a protocol support label and protocol description data, the protocol support label indicates whether a corresponding terminal supports a corresponding link signal quality measurement protocol, and the protocol description data describes the corresponding link signal quality measurement protocol,

wherein the reference terminal profile includes protocol support data, and the protocol support data is used to describe a link quality measurement protocol supported by the terminal.

3. An apparatus for determining a terminal profile, wherein the apparatus is a data analyzer configured to perform the method according to claim 1.

4. An apparatus for determining a terminal profile, wherein the apparatus is a data detector configured to perform the method according to claim 2.

5. A system for determining a terminal profile, wherein the system comprises a data detector, a data analyzer, a plurality of access point devices, and a plurality of terminals, the data analyzer is configured to implement the steps of the method according to claim 1, and the data detector is configured to implement the steps of the method according to claim 2.