

CLAIMS

1. A communication method performed by a radio access network device, comprising:

receiving first configuration information, wherein the first configuration information indicates a terminal device to perform application layer quality of experience, QoE, measurement of a first set of measurement metrics;

receiving first indication information from a core network device, wherein the first indication information indicates a second set of measurement metrics measured by the terminal device when the terminal device performs the QoE measurement, wherein the second set is a subset of the first set;

generating second configuration information based on the first indication information, wherein the second configuration information is used by the radio access network device to indicate the terminal device to report measurement results of a third set of measurement metrics obtained through the QoE measurement, wherein the third set is a subset of the second set, and the measurement results of the third set of measurement metrics are visible to the radio access network device; and

sending the first configuration information and the second configuration information to the terminal device.

2. The method according to claim 1, wherein the second configuration information further comprises second indication information, and the second indication information indicates the terminal device to report the measurement values of the some or all of measurement metrics.

3. The method according to claim 1 or 2, wherein the second configuration information further comprises a reporting period for reporting the measurement results of the third set of measurement metrics by the terminal device.

4. The method according to any one of claims 1 to 3, further comprising:

receiving the measurement results of the third set of measurement metrics from the terminal device, wherein the measurement results of the measurement metrics comprise at least one of the reporting event, the measurement values of the measurement metrics, or a measurement result obtained through the QoE measurement.

5. The method according to any one of claims 1 to 4, further comprising:

receiving, a first message sent by the terminal device, wherein the first message comprises the measurement results of the third set of measurement metrics and the measurement result of the first set of measurement metrics obtained through the QoE measurement.

6. The method according to any one of claims 1 to 5, wherein the measurement metric comprises at least one of an average throughput, an initial playout delay, a buffer level, a playout delay, a deterioration duration, a number of successively lost packets, a jitter duration, a synchronization loss duration, a round-trip time delay, an average bitrate, and a presentation delay.

7. A communication method performed by a terminal device, comprising:

receiving first configuration information from a first radio access network device, wherein the first configuration information indicates the terminal device to perform application layer quality of experience, QoE, measurement of a first set of measurement metrics;

receiving second configuration information from the first radio access network device, wherein the second configuration information is used by the first radio access network device to indicate the terminal device to report measurement results of a second set of measurement metrics obtained through the QoE measurement, and the second set is a subset of the first set;

5 performing the application layer quality of experience QoE measurement; and

reporting the measurement results of the second set of measurement metrics obtained through the QoE measurement, wherein the measurement results of the second set of measurement metrics are visible to the first radio access network device.

8. The method according to claim 7, wherein the second configuration information further comprises first indication information, and the first indication information indicates the terminal device to report the measurement values of the second set of measurement metrics.

9. The method according to claim 7 or 8, wherein the second configuration information further comprises a reporting period for reporting the measurement results of the second set of measurement metrics by the terminal device.

10. The method according to any one of claims 7 to 9, further comprising:

sending a first message to a third radio access network device, wherein the first message comprises the measurement results of the second set of measurement metrics and the measurement result of the first set of measurement metrics obtained through the QoE measurement.

11. The method according to any one of claims 7 to 10, wherein the measurement metric comprises at least one of an average throughput, an initial playout delay, a buffer level, a playout delay, a deterioration duration, a number of successively lost packets, a jitter duration, a synchronization loss duration, a round-trip time delay, an average bitrate, and a presentation delay.

12. A communication apparatus, comprising one or more units configured to perform the method according to any one claims 1 to 11.

13. A computer-readable storage medium comprising instructions which, when executed by a computer, cause the computer to carry out the method of any one of claims 1 to 11.

14. A computer program product comprising instructions which, when executed by a computer, cause the computer to carry out the method of any one of claims 1 to 11.