

WHAT IS CLAIMED IS:

1. A first device comprising:

at least one processor; and

at least one memory including computer program code;

5 wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the first device to:

obtain first periodicity information indicating a first periodicity used by a second device to perform a quality of experience measurement;

10 determine a second periodicity to be used by an access stratum of the second device to report one or more measurement results of the quality of experience measurement; and

transmit second periodicity information indicating the second periodicity to the second device.

15 2. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the first device to obtain the first periodicity information by at least one of the following:

20 decoding the first periodicity information from a configuration transmitted by a third device, the configuration being identifiable relative to an application layer and used to configure the quality of experience measurement;

extracting the first periodicity information from a message transmitted by the third device, the first periodicity information transmitted in a manner that is identifiable relative to the access stratum;

25 extracting the first periodicity information from a radio resource control message transmitted by the second device; or

obtaining the first periodicity information based on statistics of the one or more measurement results reported from the second device.

30 3. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device to:

receive, from the third device, a configuration used to configure the quality of experience measurement; and

~~transmit an application layer container comprising the configuration to the second device together with the second periodicity information.~~

~~4. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the first device to transmit the second periodicity information by:~~

~~in accordance with a determination that the first device is in an overload situation, transmitting the second periodicity information.~~

~~5. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device to:~~

~~in accordance with a determination that the first device is in an overload situation, transmit to the second device a first request to apply the second periodicity when reporting the one or more measurement results.~~

~~6. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device to:~~

~~in accordance with a determination that the first device is in a non-overload situation, transmit to the second device a second request to resume applying the first periodicity.~~

~~7. The first device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device to:~~

~~transmit an indication of at least one service of the second device, the second periodicity being specific to the at least one service.~~

~~8. The first device of claim 1, wherein the second periodicity is a common periodicity shared among a plurality of services by the second device.~~

~~9. The first device of claim 1, wherein the indication of the second periodicity comprises at least one of the following:~~

~~a value of the second periodicity;~~
~~an offset value indicating a time difference between the second periodicity and the~~
~~first periodicity; or~~
~~a scale factor of the second periodicity relative to the first periodicity.~~

~~5~~

~~10. The first device of claim 1, wherein the second periodicity information is~~
~~transmitted via a system information block or a radio resource control message.~~

~~11. The first device of claim 1, wherein the second periodicity is longer than the~~
~~10 first periodicity.~~

~~12. The first device of claim 1, wherein the first periodicity is configured by a third~~
~~device, and wherein the third device is a core network device or an operation administration~~
~~and maintenance device.~~

~~15~~

~~13. The first device of claim 1, wherein the first device is an access network~~
~~device, and the second device is a terminal device comprising the access stratum and an~~
~~application layer.~~

~~20 14. A second device comprising:~~

~~at least one processor; and~~

~~at least one memory including computer program code;~~

~~wherein the at least one memory and the computer program code are configured to,~~
~~with the at least one processor, cause the second device to:~~

~~25 receive, from a first device, second periodicity information indicating a~~
~~second periodicity to be used by an access stratum of the second device to report one or~~
~~more measurement results of a quality of experience measurement, the second periodicity~~
~~configured based on a first periodicity used by the second device to perform the quality of~~
~~experience measurement;~~

~~30 collect, by the access stratum of the second device, the one or more~~
~~measurement results of the quality of experience measurement measured by an application~~
~~layer of the second device; and~~

~~report, by the access stratum of the second device, the one or more~~
~~measurement results according to the second periodicity.~~

~~15. The second device of claim 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~5 obtain the first periodicity, and
transmit a message comprising first periodicity information indicating the first periodicity to the first device.~~

~~16. The second device of claim 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~receive, from the first device, an application layer container used to configure parameters for the quality of experience measurement together with the second periodicity information.~~

~~17. The second device of claim 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the second device to report the one or more measurement results according to the second periodicity by:~~

~~20 in accordance with a determination that a condition for applying the second periodicity is met, reporting, by the access stratum of the second device, the one or more measurement results according to the second periodicity.~~

~~18. The second device of claim 17, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~determine the condition for applying the second periodicity is met in response to at least one of the following:~~

~~receiving the second periodicity information from the first device;
30 receiving, from the first device, a first request to apply the second periodicity when reporting the one or more measurement results; or
determining that the first device is in an overload situation.~~

~~19. The second device of claim 14, wherein the at least one memory and the~~

~~computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~in accordance with a determination that a condition for resuming applying the first periodicity is met, report, by the access stratum of the second device, the one or more measurement results according to the first periodicity.~~

~~20. The second device of claim 19, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~10 determine the condition for resuming applying the first periodicity is met in response to at least one of the following:~~

~~receiving, from the first device, a second request to resume applying the first periodicity when reporting the one or more measurement results; or~~
~~determining the first device is in a non-overload situation.~~

~~15~~

~~21. The second device of claim 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the second device to report the one or more measurement results according to the second periodicity by:~~

~~20 starting a timer according to the second periodicity;~~
~~appending each of the one or more measurement results to a measurement log; and~~
~~in accordance with a determination that the timer is timeout, reporting the measurement log to the first device.~~

~~25 22. The second device of claim 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:~~

~~receive, from the first device, an indication of at least one service of the second device, the second periodicity being specific to the at least one service, and~~
~~30 report, by the access stratum of the second device, the one or more measurement results according to the second periodicity.~~

~~23. The second device of claim 14, wherein the second periodicity is a common periodicity shared among a plurality of services by the second device, and~~

wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the second device to report the one or more measurement results according to the second periodicity by:

applying the second periodicity to a plurality of services, and

5 reporting, by the access stratum of the second device, the one or more measurement results of the plurality of services according to the second periodicity.

24. The second device of claim 14, wherein the second periodicity information comprises at least one of the following:

10 a value of the second periodicity,

an offset value indicating a time difference between the second periodicity and the first periodicity, or

a scale factor of the second periodicity relative to the first periodicity.

15 25. The second device of claim 14, wherein the second periodicity information is received via a system information block or a radio resource control message.

26. The second device of claim 14, wherein the second periodicity is longer than the first periodicity.

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27. The second device of claim 14, wherein the first periodicity is configured by a third device, and wherein the third device is a core network device or an operation administration and maintenance device.

25 28. The second device of claim 14, wherein the first device is an access network device, and the second device is a terminal device comprising the access stratum and an application layer.

29. A third device comprising:

30 at least one processor; and

at least one memory including computer program code;

wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the third device to:

obtain a first periodicity used by a second device to perform a quality of

~~experience measurement; and~~

~~transmit, to a first device, first periodicity information indicating the first periodicity, the first periodicity information transmitted in a manner that is identifiable relative to an access stratum.~~

~~5~~

~~30. The third device of claim 29, wherein the third device is a core network device or an operation administration and maintenance device, the first device is an access network device, and the second device is a terminal device comprising the access stratum and an application layer.~~

~~10~~

~~31. A method comprising:~~

~~obtaining, at a first device, first periodicity information indicating a first periodicity used by a second device to perform a quality of experience measurement;~~

~~determining a second periodicity to be used by an access stratum of the second device to report one or more measurement results of the quality of experience measurement; and~~

~~transmitting second periodicity information indicating the second periodicity to the second device.~~

~~20 32. The method of claim 31, wherein obtaining the first periodicity information comprises obtaining the first periodicity information by at least one of the following:~~

~~decoding the first periodicity information from a configuration transmitted by a third device, the configuration being identifiable relative to application layer and used to configure the quality of experience measurement;~~

~~25 extracting the first periodicity information from a message transmitted by the third device, the first periodicity information transmitted in a manner that is identifiable relative to the access stratum;~~

~~extracting the first periodicity information from a radio resource control message transmitted by the second device; or~~

~~30 obtaining the first periodicity information based on statistics of the one or more measurement results reported from the second device.~~

~~33. The method of claim 31, further comprising:~~

~~receiving, from the third device, a configuration used to configure the quality of~~

~~experience measurement, and~~

~~transmitting an application layer container comprising the configuration to the second device together with the second periodicity information.~~

~~5 34. The method of claim 31, wherein transmitting the second periodicity information comprises:~~

~~in accordance with a determination that the first device is in an overload situation, transmitting the second periodicity information.~~

~~10 35. The method of claim 31, further comprising:~~

~~in accordance with a determination that the first device is in an overload situation, transmitting to the second device a first request to apply the second periodicity when reporting the one or more measurement results.~~

~~15 36. The method of claim 31, further comprising:~~

~~in accordance with a determination that the first device is in a non-overload situation, transmitting to the second device a second request to resume applying the first periodicity when reporting the one or more measurement results.~~

~~20 37. The method of claim 31, further comprising:~~

~~transmitting an indication of at least one service of the second device, the second periodicity being specific to the at least one service.~~

~~25 38. The method of claim 31, wherein the second periodicity is a common periodicity shared among a plurality of services by the second device.~~

~~39. The method of claim 31, wherein the indication of the second periodicity comprises at least one of the following:~~

~~a value of the second periodicity,~~

~~30 an offset value indicating a time difference between the second periodicity and the first periodicity, or~~

~~a scale factor of the second periodicity relative to the first periodicity.~~

~~40. The method of claim 31, wherein the second periodicity information is~~

~~transmitted via a system information block or a radio resource control message.~~

~~41. The method of claim 31, wherein the second periodicity is longer than the first periodicity.~~

~~5~~

~~42. The method of claim 31, wherein the first periodicity is configured by a third device, and wherein the third device is a core network device or an operation administration and maintenance device.~~

~~10 43. The method of claim 31, wherein the first device is an access network device, and the second device is a terminal device comprising the access stratum and an application layer.~~

~~44. A method comprising:~~

~~15 receiving, at a second device from a first device, second periodicity information indicating a second periodicity to be used by an access stratum of the second device to report one or more measurement results of a quality of experience measurement, the second periodicity configured based on a first periodicity used by the second device to perform the quality of experience measurement;~~

~~20 collecting, by the access stratum of the second device, the one or more measurement results of the quality of experience measurement measured by an application layer of the second device; and~~

~~reporting, by the access stratum of the second device, the one or more measurement results according to the second periodicity.~~

~~25~~

~~45. The method of claim 44, further comprising:~~

~~obtaining the first periodicity; and~~

~~transmitting a message comprising first periodicity information indicating the first periodicity to the first device.~~

~~30~~

~~46. The method of claim 44, further comprising:~~

~~receiving, from the first device, an application layer container used to configure parameters for the quality of experience measurement together with the second periodicity information.~~

47. The method of claim 44, wherein reporting the one or more measurement results according to the second periodicity comprises:

in accordance with a determination that a condition for applying the second periodicity is met, reporting, by the access stratum of the second device, the one or more measurement results according to the second periodicity.

48. The method of claim 47, further comprising:

determining the condition for applying the second periodicity is met in response to at least one of the following:

receiving the second periodicity information from the first device;

receiving, from the first device, a first request to apply the second periodicity when reporting the one or more measurement results; or

determining that the first device is in an overload situation.

49. The method of claim 44, further comprising:

in accordance with a determination that a condition for resuming applying the first periodicity is met, reporting, by the access stratum of the second device, the one or more measurement results according to the first periodicity.

50. The method claim 49, further comprising:

determining the condition for resuming applying the first periodicity is met in response to at least one of the following:

receiving, from the first device, a second request to resume applying the first periodicity when reporting the one or more measurement results; or

determining the first device is in a non-overload situation.

51. The method of claim 44, wherein reporting the one or more measurement results according to the second periodicity comprises:

starting a timer according to the second periodicity, and

appending each of the one or more measurement results to a measurement log; and

in accordance with a determination that the timer is timeout, reporting the measurement log to the first device.

~~52. The method of claim 44, further comprising:
receiving, from the first device, an indication of at least one service of the second
device, the second periodicity being specific to the at least one service, and
reporting, by the access stratum of the second device, the one or more measurement
5 results of at least one service according to the second periodicity.~~

~~53. The method of claim 44, wherein the second periodicity is a common
periodicity shared among a plurality of services by the second device, and
wherein reporting the one or more measurement results according to the second
10 periodicity comprises:
applying the second periodicity to a plurality of services, and
reporting, by the access stratum of the second device, the one or more
measurement results of the plurality of services according to the second periodicity.~~

~~54. The method of claim 44, wherein the second periodicity information
15 comprises at least one of the following:
a value of the second periodicity,
an offset value indicating a time difference between the second periodicity and the
first periodicity, or
20 a scale factor of the second periodicity relative to the first periodicity.~~

~~55. The method of claim 44, wherein the second periodicity information is
received via a system information block or a radio resource control message.~~

~~56. The method of claim 44, wherein the second periodicity is longer than the first
25 periodicity.~~

~~57. The method of claim 44, wherein the first periodicity is configured by a third
device, and wherein the third device is a core network device or an operation administration
30 and maintenance device.~~

~~58. The method of claim 44, wherein the first device is an access network device,
and the second device is a terminal device comprising the access stratum and an application
layer.~~

~~59. A method device comprising:~~

~~obtaining, at a third device, a first periodicity used by a second device to perform a quality of experience measurement; and~~

~~5 transmitting, by the third device to a first device, a message comprising the first periodicity, the first periodicity transmitted in a manner that is identifiable relative to an access stratum.~~

~~60. The method of claim 59, wherein the third device is a core network device or
10 an operation administration and maintenance device, the first device is an access network device, and the second device is a terminal device comprising the access stratum and an application layer.~~

~~61. A first apparatus comprising:~~

~~15 means for obtaining, at a first apparatus, first periodicity information indicating a first periodicity used by a second apparatus to perform a quality of experience measurement;~~

~~means for determining a second periodicity to be used by an access stratum of the second apparatus to report one or more measurement results of the quality of experience
20 measurement; and~~

~~means for transmitting second periodicity information indicating the second periodicity to the second apparatus.~~

~~62. A second apparatus comprising:~~

~~25 means for receiving, at a second apparatus and from a first apparatus, second periodicity information indicating a second periodicity to be used by an access stratum of the second apparatus to report one or more measurement results of a quality of experience measurement, the second periodicity configured based on a first periodicity used by the second apparatus to perform the quality of experience measurement;~~

~~30 means for collecting, by the access stratum of the second apparatus, the one or more measurement results of the quality of experience measurement measured by an application layer of the second apparatus; and~~

~~means for reporting, by the access stratum of the second apparatus, the one or more measurement results according to the second periodicity.~~

~~63. A third apparatus comprising:~~

~~means for obtaining, at a third apparatus, a first periodicity used by a second apparatus to perform a quality of experience measurement; and~~

5 ~~means for transmitting, to a first apparatus, a message comprising the first periodicity, the first periodicity transmitted in a manner that is identifiable relative to an access stratum.~~

~~64. A computer readable medium comprising a computer program thereon, the~~
10 ~~computer program when executed by a processor of a first device, causing the first device to:~~

~~obtain first periodicity information indicating a first periodicity used by a second device to perform a quality of experience measurement;~~

~~determine a second periodicity to be used by an access stratum of the second device~~
15 ~~to report one or more measurement results of the quality of experience measurement; and~~

~~transmit second periodicity information indicating the second periodicity to the second device.~~

~~65. A computer readable medium comprising a computer program thereon, the~~
20 ~~computer program when executed by a processor of a second device, causing the second device to:~~

~~receive, from a first device, second periodicity information indicating a second periodicity to be used by an access stratum of the second device to report one or more measurement results of a quality of experience measurement, the second periodicity~~
25 ~~configured based on a first periodicity used by the second device to perform the quality of experience measurement;~~

~~collect, by the access stratum of the second device, the one or more measurement results of the quality of experience measurement measured by an application layer of the second device; and~~

30 ~~report, by the access stratum of the second device, the one or more measurement results according to the second periodicity.~~

~~66. A computer readable medium comprising a computer program thereon, the~~
~~computer program when executed by a processor of a third device, causing the third device~~

~~to:~~~~obtain a first periodicity used by a second device to perform a quality of experience measurement; and~~~~transmit, to a first device, first periodicity information indicating the first periodicity;
5 the first periodicity information transmitted in a manner that is identifiable relative to an access stratum.~~

WHAT IS CLAIMED IS:

1. A second device comprising:

at least one processor; and

at least one memory including computer program code;

5 wherein the at least one memory and the computer program code are configured to,
with the at least one processor, cause the second device to:

receive by an access stratum of the second device, from a first device, second
periodicity information indicating a second periodicity that is configured for a service by the
first device for the second device to report one or more measurement results of a quality of
10 experience measurement of the service;

collect the one or more measurement results of the quality of experience
measurement measured by an application layer of the second device; and

report the one or more measurement results according to the second periodicity.

15 2. The second device of claim 1, wherein the one or more measurement results are
collected by the access stratum of the second device, and

wherein the one or more measurement results are transmitted by the access stratum
of the second device.

20 3. The second device of claim 1, wherein the at least one memory and the computer
program code are configured to, with the at least one processor, further cause the second
device to:

obtain a first periodicity indicating a duration for the quality of experience
measurement; and

25 transmit a message comprising first periodicity information indicating the first
periodicity to the first device.

30 4. The second device of claim 1, wherein the at least one memory and the computer
program code are configured to, with the at least one processor, further cause the second
device to:

receive, from the first device, an application layer container used to configure
parameters for the quality of experience measurement together with the second periodicity
information, wherein the application layer container comprises first periodicity information

indicating a first periodicity.

5. The second device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the second device to

5 report the one or more measurement results according to the second periodicity by:

starting a timer according to the second periodicity;

appending each of the one or more measurement results to a measurement log; and

in accordance with a determination that the timer is timeout, reporting the measurement log to the first device.

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6. The second device of claim 1, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the second device to:

transmit, by the access stratum of the second device to the first device, the one or
15 more measurement results.

7. The second device of claim 1, wherein the second periodicity information comprises at least one of the following:

a value of the second periodicity, or

20 a scale factor of the second periodicity relative to the first periodicity.

8. The second device of claim 1, wherein the second periodicity information is received via a radio resource control message.

25 9. The second device of claim 1, wherein the second periodicity information comprises a logging duration per session.

10. A method comprising:

30 receiving by an access stratum of a second device, from a first device, second periodicity information indicating a second periodicity that is configured for a service by the first device for the second device to report one or more measurement results of a quality of experience measurement of the service;

collecting the one or more measurement results of the quality of experience measurement measured by an application layer of the second device; and

reporting the one or more measurement results according to the second periodicity.

11. The method of claim 10, wherein the one or more measurement results are collected by the access stratum of the second device, and

5 wherein the one or more measurement results are transmitted by the access stratum of the second device.

12. The method of claim 10, further comprising:

10 obtaining a first periodicity indicating a duration for the quality of experience measurement; and

transmitting a message comprising first periodicity information indicating the first periodicity to the first device.

13. The method of claim 10, further comprising:

15 receiving, from the first device, an application layer container used to configure parameters for the quality of experience measurement together with the second periodicity information, wherein the application layer container comprises first periodicity information indicating a first periodicity.

20 14. The method of claim 10 wherein reporting the one or more measurement results according to the second periodicity comprises:

starting a timer according to the second periodicity; and

appending each of the one or more measurement results to a measurement log; and

25 in accordance with a determination that the timer is timeout, reporting the measurement log to the first device.

15. The method of claim 10, further comprising:

transmitting, by the access stratum of the second device to the first device, the one or more measurement results.

30 16. The method of claim 10, wherein the second periodicity information comprises at least one of the following:

a value of the second periodicity,

an offset value indicating a time difference between the second periodicity and the

first periodicity, or

a scale factor of the second periodicity relative to the first periodicity.

17. The method of claim 10, wherein the second periodicity information is received
5 via a radio resource control message.

18. The method of claim 10, wherein the second periodicity information comprises
a logging duration per session.

10 19. A first device comprising:
at least one processor; and
at least one memory including computer program code;
wherein the at least one memory and the computer program code are configured to,
with the at least one processor, cause the first device to:

15 obtain first periodicity information indicating a first periodicity used by a
second device to perform a quality of experience measurement, wherein the first periodicity
information is identifiable to an access stratum of the first device;

determine a second periodicity specific to a service of the second device to
report one or more measurement results of the quality of experience measurement; and

20 transmit second periodicity information indicating the second periodicity to
the second device.

20. The first device of claim 19, wherein the at least one memory and the computer
program code are configured to, with the at least one processor, cause the first device to
25 obtain the first periodicity information by at least one of the following:

decoding the first periodicity information from a configuration transmitted by a third
device, the configuration being identifiable relative to an application layer and used to
configure the quality of experience measurement;

30 extracting the first periodicity information from a message transmitted by the third
device, the first periodicity information transmitted in a manner that is identifiable relative to
the access stratum;

extracting the first periodicity information from a radio resource control message
transmitted by the second device; or

obtaining the first periodicity information based on statistics of the one or more

measurement results reported from the second device.

21. The first device of claim 19, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device

to:

receive, from the third device, a configuration used to configure the quality of experience measurement; and

transmit an application layer container comprising the configuration to the second device together with the second periodicity information.

22. The first device of claim 19, wherein the at least one memory and the computer program code are configured to, with the at least one processor, further cause the first device

to:

transmit an indication of the service of the second device.

23. The first device of claim 19, wherein the second periodicity information comprises at least one of the following:

a value of the second periodicity,

or

a scale factor of the second periodicity relative to the first periodicity.

24. A method comprising:

obtaining, at a first device, first periodicity information indicating a first periodicity used by a second device to perform a quality of experience measurement, wherein the first periodicity information is identifiable to an access stratum of the first device;

determining a second periodicity specific to a service of the second device to report one or more measurement results of the quality of experience measurement; and

transmitting second periodicity information indicating the second periodicity to the second device.

25. The method of claim 24, wherein obtaining the first periodicity information comprises obtaining the first periodicity information by at least one of the following:

decoding the first periodicity information from a configuration transmitted by a third device, the configuration being identifiable relative to application layer and used to configure

the quality of experience measurement;

extracting the first periodicity information from a message transmitted by the third device, the first periodicity information transmitted in a manner that is identifiable relative to the access stratum;

5 extracting the first periodicity information from a radio resource control message transmitted by the second device; or

obtaining the first periodicity information based on statistics of the one or more measurement results reported from the second device.

10 26. The method of claim 24, further comprising:

receiving, from the third device, a configuration used to configure the quality of experience measurement; and

transmitting an application layer container comprising the configuration to the second device together with the second periodicity information.

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27. The method of claim 24, further comprising:

transmitting an indication of the service of the second device.

20 28. The method of claim 24, wherein the second periodicity information comprises at least one of the following:

a value of the second periodicity, or

a scale factor of the second periodicity relative to the first periodicity.

25 29. A non-transitory computer readable storage medium comprising instructions thereon, the computer instructions when executed by a processor of a first device, causing the first device to:

obtain first periodicity information indicating a first periodicity used by a second device to perform a quality of experience measurement, wherein the first periodicity information is identifiable to an access stratum of the first device;

30 determine a second periodicity specific to a service of the second device to report one or more measurement results of the quality of experience measurement; and

transmit second periodicity information indicating the second periodicity to the second device.

30. A computer readable medium comprising a computer program thereon, the computer program when executed by a processor of a second device, causing the second device to:

5 receive by an access stratum of the second device from a first device, second periodicity information indicating a second periodicity that is configured for a service by the first device for the second device to report one or more measurement results of a quality of experience measurement of the service;

collect the one or more measurement results of the quality of experience measurement measured by an application layer of the second device; and

10 report the one or more measurement results according to the second periodicity.