WHAT IS CLAIMED IS:

1. An information processing method, performed by a User Equipment (UE), comprising:

acquiring a measurement relaxation parameter; wherein the measurement relaxation parameter is used by the UE for relaxing a measurement of a radio signal transmitted by a network node;

wherein the network node comprises at least one of:

a Master Network (MN) node; or

a Secondary Network (SN) node;

wherein the measurement relaxation parameter comprises: a measurement relaxation criterion for indicating a measurement relaxation condition;

wherein the method comprises: in response to detecting that the measurement relaxation condition is satisfied, sending measurement relaxation request information or a notification for indicating that the measurement relaxation condition is satisfied to the network node through a Signaling Radio Bearer (SRB) of the network node;

wherein the method further comprises: in response to the SN node having a configured SRB3, sending the measurement relaxation request information or the notification to the SN node through the SRB3 of the SN node; and in response to the SN node having no configured SRB3, sending the measurement relaxation request information or the notification to the MN node through an SRB of the MN node, wherein the measurement relaxation request information or the notification is forwarded by the MN node to the SN node.

2. The method of claim 1, wherein acquiring the measurement relaxation parameter comprises:

receiving the measurement relaxation parameter sent by the network node; or

determining the measurement relaxation parameter based on a protocol; or

wherein the measurement relaxation parameter comprises at least one of: a Radio Link Monitoring (RLM) measurement relaxation parameter; a Beam Failure Detection (BFD) measurement relaxation parameter; or a Radio Resource Management (RRM) measurement relaxation parameter.

3. The method of claim 1 or 2, wherein

the UE adopts an Evolution Universal mobile telecommunications system Terrestrial Radio Access Network-New Radio (E-UTRAN-NR) dual connectivity, and the network node comprises the SN node of the E-UTRAN-NR dual connectivity;

or

the UE adopts a Next Generation Radio Access Network-Universal mobile telecommunications system Terrestrial Radio Access-New Radio (NG-RAN-UTRA-NR) dual

connectivity, and the network node comprises the SN node of the NG-RAN-UTRA-NR dual connectivity;

or

the UE adopts a New Radio-Evolution Universal mobile telecommunications system Terrestrial Radio Access Network (NR-E-UTRA) dual connectivity, and the network node comprises the MN node of the NR-E-UTRA dual connectivity;

or

the UE adopts a New Radio-New Radio (NR-NR) dual connectivity, and the network node comprises at least one of the MN node of the NR-NR dual connectivity or the SN node of the NR-NR dual connectivity.

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

sending capability information of the UE to the network node, wherein the capability information is used by the network node for determining the measurement relaxation parameter;

wherein the capability information comprises at least one of: a first capability indicator, for indicating whether the UE supports a Radio Link Monitoring (RLM) measurement relaxation; a second capability indicator, for indicating whether the UE supports a Beam Failure Detection (BFD) measurement relaxation; or a third capability indicator, for indicating whether the UE supports a Radio Resource Management (RRM) measurement relaxation; or

wherein the capability information comprises: a first type of capability information, for uniformly indicating a measurement relaxation capability for all Cell Groups (CGs) of the UE; a second type of capability information, for separately indicating at least one of a Master Cell Group (MCG)-specific measurement relaxation capability of the UE or a Secondary Cell Group (SCG)-specific measurement relaxation capability of the UE; or a third type of capability information, for indicating an relationship between the MCG-specific measurement relaxation capability of the UE and the SCG-specific measurement relaxation capability of the UE.

5. The method of claim 4, wherein sending the capability information of the UE to the network node comprises at least one of:

in response to the UE adopting an Evolution Universal mobile telecommunications system Terrestrial Radio Access Network-New Radio (E-UTRAN-NR) Dual Connectivity (EN-DC), sending the first type of capability information of the UE to the SN node or MN node of the EN-DC;

in response to the UE adopting a New Radio-Evolution Universal mobile telecommunications system Terrestrial Radio Access Network (NR-E-UTRA) Dual Connectivity (NE-DC), sending the first type of capability information of the UE to the MN node of the NE-DC; or

in response to the UE adopting a New Radio-New Radio (NR-NR) Dual Connectivity (NR-DC), sending the first type of capability information of the UE to the MN node of the NR-DC; or

wherein sending the capability information of the UE to the network node comprises at least one of:

sending, to the MN node, the second type of capability information that separately indicates the MCG-specific measurement relaxation capability of the UE; or

sending, to the SN node, the second type of capability information that separately indicates the SCG-specific measurement relaxation capability of the UE.

6. The method of claim 4 or 5, wherein sending the capability information of the UE to the network node comprises at least one of:

sending the capability information to the MN node through a Signaling Radio Bearer (SRB) of the MN node;

in response to the SN node having a configured SRB, sending the capability information to the SN node through the SRB of the SN node; or

in response to the SN node having no configured SRB, sending the capability information to the MN node through an SRB of the MN node, wherein the capability information is forwarded by the MN node to the SN node.

7. The method of claim 1, wherein the measurement relaxation request information is used for triggering the network node to determine whether to allow the UE to relax the measurement.

8. The method of claim 7, further comprising:

receiving a measurement relaxation indication returned based on the measurement relaxation request information or the notification; and

in response to the measurement relaxation indication indicating to allow the UE to relax the measurement, measuring the radio signal based on a relaxation configuration in the measurement relaxation parameter;

wherein the measurement relaxation indication comprises one of: an enabling indication, for enabling the UE to relax the measurement; or a disabling indication, for disabling the UE to relax the measurement; or

wherein the measurement relaxation condition being satisfied comprises: a first condition being satisfied, comprising at least one of a displacement of the UE within a preset duration being less than a first threshold, or a fluctuation value of a radio signal quality measured by the UE within a second duration being less than a third threshold; or a second condition being satisfied, comprising the radio signal quality measured by the UE being greater than a second threshold.

9. The method of any one of claims 2 to 8, wherein the measurement relaxation parameter

comprises:

a first type of relaxation configuration, being a measurement relaxation configuration uniformly for all Cell Groups (CGs); or

a second type of relaxation configuration, being at least one of a Master Cell Group (MCG)-specific measurement relaxation configuration or a Secondary Cell Group (SCG)-specific measurement relaxation configuration;

wherein receiving the measurement relaxation parameter sent by the network node comprises at least one of: receiving the first type of relaxation configuration sent by the MN node; receiving the second type of relaxation configuration that is the MCG-specific measurement relaxation configuration sent by the MN node, receiving the second type of relaxation configuration that is the SCG-specific measurement relaxation configuration sent by the SN node; receiving the second type of relaxation configuration that is the MCG-specific measurement relaxation configuration sent by the MN node, or receive the second type of relaxation configuration that is the SCG-specific measurement relaxation configuration sent by the MN node.

10. The method of claim 2, wherein receiving the measurement relaxation parameter sent by the network node comprises:

in a case where the network node is the MN node, receiving, through the SRB of the MN node, the measurement relaxation parameter; and

in a case where the network node is the SN node and the SN node has the configured SRB3, receiving, through the SRB3 of the SN node, the measurement relaxation parameter.

11. An information processing method, performed by a network node, wherein the network node comprises a Master Network (MN) node or a Secondary Network (SN) node of a dual connectivity User Equipment (UE); the method comprises:

sending relevant information of a measurement relaxation to the UE;

wherein the relevant information comprises:

a measurement relaxation parameter, used for the measurement relaxation of the UE and comprising a measurement relaxation criterion for indicating a measurement relaxation condition;

wherein the method comprises: receiving measurement relaxation request information or a notification for indicating that the measurement relaxation condition is satisfied through a Signaling Radio Bearer (SRB) of the network node, wherein the measurement relaxation request information or a notification for indicating that the measurement relaxation condition is satisfied is reported in a case where the UE detects that the measurement relaxation condition is satisfied;

wherein the method further comprises: in response to the SN node having a configured SRB3, receiving the measurement relaxation request information or the notification through the SRB3 of

the SN node; or in response to the SN node having no configured SRB3, receiving the measurement relaxation request information or the notification through an SRB of the MN node, and forwarding the measurement relaxation request information or the notification to the SN node.

12. The method of claim 11, further comprising:

receiving capability information of the UE; wherein the capability information is used for determining the measurement relaxation parameter;

wherein the capability information comprises: a first type of capability information, for uniformly indicating a measurement relaxation capability for all Cell Groups (CGs) of the UE; a second type of capability information, for separately indicating at least one of a Master Cell Group (MCG)-specific measurement relaxation capability of the UE or a Secondary Cell Group (SCG)-specific measurement relaxation capability of the UE; or a third type of capability information, for indicating a relationship between the MCG-specific measurement relaxation capability of the UE and the SCG-specific measurement relaxation capability of the UE; or

wherein the capability information comprises at least one of: a first capability indicator, for indicating whether the UE supports a Radio Link Monitoring (RLM) measurement relaxation; a second capability indicator, for indicating whether the UE supports a Beam Failure Detection (BFD) measurement relaxation; or a third capability indicator, for indicating whether the UE supports a Radio Resource Management (RRM) measurement relaxation.

13. The method of claim 12, wherein receiving the capability information of the UE comprises:

in response to the network node being the MN node, receiving, by the MN node, the capability information of the UE through a Signaling Radio Bearer (SRB) configured by the MN node;

or

in response to the network node being the SN node and the SN node having a configured SRB, receiving, by the SN node, the capability information of the UE through the SRB configured by the SN node;

or

in response to the network node being the MN node and the SN node having no configured SRB, receiving, by the MN node, an SRB containing the capability information received from the UE on the SRB configured by the SN node, wherein at least partial capability information indicating the SCG-specific measurement relaxation capability of the UE is sent by the MN node to the SN node.

14. The method of claim 11, wherein sending the relevant information of a measurement relaxation to the UE comprises at least one of:

in a case where the network node is the MN node, sending, through the SRB of the MN node, the measurement relaxation parameter to the UE; and

in a case where the network node is the SN node and the SN node has the configured SRB3, sending, through the SRB3 of the SN node, the measurement relaxation parameter to the UE.

15. The method of claim 11, wherein the UE adopts an Evolution Universal mobile telecommunications system Terrestrial Radio Access Network-New Radio (E-UTRAN-NR) dual connectivity, and the network node comprises the SN node of the E-UTRAN-NR dual connectivity;

the UE adopts a Next Generation Radio Access Network-Universal mobile telecommunications system Terrestrial Radio Access-New Radio (NG-RAN-UTRA-NR) dual connectivity, and the network node comprises the SN node of the NG-RAN-UTRA-NR dual connectivity;

the UE adopts a New Radio-Evolution Universal mobile telecommunications system Terrestrial Radio Access Network (NR-E-UTRA) dual connectivity, and the network node comprises the MN node of the NR-E-UTRA dual connectivity; or

the UE adopts a New Radio-New Radio (NR-NR) dual connectivity, and the network node comprises the MN node of the NR-NR dual connectivity and/or the SN node of the NR-NR dual connectivity.

16. The method of claim 12, wherein the measurement relaxation parameter comprises:

a first type of relaxation configuration, being a measurement relaxation configuration uniformly for all Cell Groups (CGs); or

a second type of relaxation configuration, being a Master Cell Group (MCG)-specific measurement relaxation configuration and/or a Secondary Cell Group (SCG)-specific measurement relaxation configuration.

17. The method of claim 16, wherein the measurement relaxation parameter is sent by the network node, and the measurement relaxation parameter comprises:

a first type of relaxation configuration sent by the MN node; or

a second type of relaxation configuration that is the MCG-specific measurement relaxation configuration sent by the MN node, and/or a second type of relaxation configuration that is the SCG-specific measurement relaxation configuration sent by the SN node.

18. An information processing method, performed by a Secondary Network (SN) node, comprising:

transmitting associated information of a User Equipment (UE) measurement relaxation with a Master Network (MN) node;

wherein the associated information comprises at least one of:

capability information, used for determining a measurement relaxation parameter of the UE;

a measurement relaxation indication, used for enabling or disabling the UE measurement relaxation;

a Secondary Cell Group (SCG)-specific measurement relaxation parameter; or

assistant information, used by the MN node for determining the SCG-specific measurement relaxation parameter of the UE;

wherein the measurement relaxation parameter comprises a measurement relaxation criterion for indicating a measurement relaxation condition;

wherein the method comprises: in response to the SN node having a configured Signaling Radio Bearer3 (SRB3), receiving measurement relaxation request information or a notification for indicating that the measurement relaxation condition is satisfied through the SRB3 of the SN node, wherein measurement relaxation request information or the notification is reported in a case where the UE detects that the measurement relaxation condition is satisfied; and in response to the SN node having no configured SRB3, receiving the measurement relaxation request information or a notification for indicating that the measurement relaxation condition is satisfied which is forwarded by the MN node, wherein the measurement relaxation request information or the notification is sent by the UE to the MN node through an SRB of the MN node.

19. The method of claim 18, wherein transmitting the associated information of the UE measurement relaxation with the MN node comprises:

in response to the SN node having no configured Signaling Radio Bearer (SRB), transmitting the associated information of the UE measurement relaxation with the MN node.

20. A communication device, comprising a processor, a transceiver, a memory, and an executable program stored on the memory and executable by the processor, wherein when the processor runs the executable program, the method of any one of claims 1 to 19 is performed.