

CLAIMS

- 5 1. A method for beamforming information interaction, comprising:
receiving, by a first network device, first beamforming information sent by a
second network device, the first network device being a network device corresponding
to a present serving cell for a terminal, the second network device being a neighbouring
network device of the first network device, the first beamforming information being
10 information related to beam measurement of the second network device, wherein the
first beamforming information comprises first measurement configuration information
which comprises a measurement frequency, a measurement duration, and a
beamforming resource allocation parameter; and
configuring, by the first network device, the terminal according to the first
15 beamforming information.
2. The method of claim 1, wherein configuring, by the first network device, the terminal
according to the first beamforming information comprises:
configuring, by the first network device, the terminal for beam measurement
20 according to the first measurement configuration information.
3. The method of claim 2, further comprising:
sending, by the first network device, parameter request information to the
second network device, the parameter request information being configured to request
25 the second network device for the first measurement configuration information.
4. The method of any one of claims 1 to 3, wherein the first measurement configuration
information further comprises at least one of a beam index, an identifier of a beam
group to which the beam belongs, a cell identifier corresponding to the beam, an
30 identifier of an Access Point (AP) corresponding to the beam, an identifier of a base
station corresponding to the beam, a measurement cycle or information of a reference
signal corresponding to the beam.
5. The method of any one of claims 2 to 4, wherein the first measurement configuration

information is carried in network device configuration signaling or handover configuration signaling, and the network device configuration signaling comprises establishing signaling of a network device interface or updating signaling of a network device configuration.

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6. The method of claim 1, wherein the first beamforming information further comprises a first measurement result, and configuring, by the first network device, the terminal according to the first beamforming information comprises:

10 performing, by the first network device, a cell handover for the terminal according to the first measurement result.

7. The method of claim 6, further comprising:

15 sending, by the first network device, second measurement configuration information to the terminal, the second measurement configuration information being configured to instruct the terminal to send an uplink signal on the beam according to the second measurement configuration information; and

performing, by the first network device, beam measurement to obtain a second measurement result based on the uplink signal, wherein

20 performing, by the first network device, the cell handover for the terminal according to the first measurement result comprises:

performing, by the first network device, the cell handover for the terminal according to the first measurement result and the second measurement result.

8. The method of claim 6, further comprising:

25 sending, by the first network device, measurement configuration coordination information to the second network device, the measurement configuration coordination information being configured to coordinate with the second network device about measurement configuration information used for measurement of an uplink signal on the beam; and

30 receiving, by the first network device, feedback information of the measurement configuration coordination information from the second network device.

9. The method of any one of claims 6 to 8, wherein the first measurement result is

carried in handover configuration signaling, and the handover configuration signaling comprises handover request signaling or handover confirmation signaling.

10. A network device, the network device being a first network device and comprising:

5 a receiving module, configured to receive first beamforming information sent by a second network device, the first network device being a network device corresponding to a present serving cell for a terminal, the second network device being a neighbouring network device of the first network device, the first beamforming information being information related to beam measurement of the second network device, wherein the first beamforming information comprises first measurement configuration information which comprises a measurement frequency, a measurement duration, and a beamforming resource allocation parameter; and

10 a processing module, configured to configure the terminal according to the first beamforming information received by the receiving module.

15 11. The network device of claim 10, wherein the processing module is specifically configured to:

 configure the terminal for beam measurement according to the first measurement configuration information.

20 12. The network device of claim 11, further comprising a sending module, configured to send parameter request information to the second network device, the parameter request information being configured to request the second network device for the first measurement configuration information.

25 13. The network device of any one of claims 10 to 12, wherein the first measurement configuration information further comprises at least one of a beam index, an identifier of a beam group to which the beam belongs, a cell identifier corresponding to the beam, an identifier of an Access Point (AP) corresponding to the beam, an identifier of a base station corresponding to the beam, a measurement cycle or information of a reference signal corresponding to the beam.

30 14. The network device of claim 10, wherein the first beamforming information further

comprises a first measurement result, and the processing module is specifically configured to:

perform a cell handover for the terminal according to the first measurement result.

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15. The network device of claim 14, further comprising a sending module, configured to send second measurement configuration information to the terminal, the second measurement configuration information being configured to instruct the terminal to send an uplink signal on the beam according to the second measurement configuration information, wherein

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the processing module is further configured to perform beam measurement to obtain a second measurement result based on the uplink signal; and

the operation that the processing module performs the cell handover for the terminal according to the first measurement result comprises:

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performing the cell handover for the terminal according to the first measurement result and the second measurement result.

16. The network device of claim 14, further comprising a sending module, configured to send measurement configuration coordination information to the second network device, the measurement configuration coordination information being configured to coordinate with the second network device about measurement configuration information used for measurement of an uplink signal on the beam, wherein

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the receiving module is further configured to receive feedback information of the measurement configuration coordination information from the second network

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device.