CLAIMS

1. A multicast or broadcast resource configuration method, applied to a Distributed Unit (DU), comprising:

receiving relevant information, that is reported by at least one terminal, of a first multicast or broadcast service that is expected to be received;

sending the received relevant information to a Centralized Unit (CU), wherein the sent relevant information is used to configure resources of the first multicast or broadcast service for the DU; and

receiving resource configuration information, that is sent by the CU, of the first multicast or broadcast service.

2. The method of claim 1, wherein the relevant information, that is reported by the terminal, of the first multicast or broadcast service that is expected to be received is received in one of following manners:

a Media Access Control Control Element (MAC CE);

physical layer signaling; or

Radio Resource Control (RRC) signaling.

3. The method of claim 1, wherein sending the relevant information to the CU comprises:

directly delivering the relevant information reported by the terminal to the CU without interpretation.

4. The method of claim 1, further comprising:

performing statistics on the received relevant information, that is reported by the at least one terminal, of the first multicast or broadcast service to obtain a statistical result; and

sending the statistical result to the CU.

5. The method of claim 1, wherein when sending the received relevant information to the CU, the method further comprises:

sending first information to the CU, the first information representing a transmission mode suggested for the first multicast or broadcast service.

~~6. The method of claim 5,~~ wherein in a case where the transmission mode suggested for the first multicast or broadcast service is a multicast mode, when sending the first information to the CU, the method further comprises:

sending second information to the CU, the second information representing a multicast area or broadcast area suggested for the first multicast or broadcast service.

~~7~~6. The method of claim 1, further comprising:

broadcasting a system information, the system information carrying at least one piece of multicast or broadcast service information; and

receiving the relevant information of the first multicast or broadcast service that is reported by the at least one terminal based on the at least one piece of multicast or broadcast service information.

~~8~~7. The method of any one of claims 1-~~7~~6, wherein the relevant information comprises at least one of:

an identification of the first multicast or broadcast service;

a location of the terminal; or

a receiving mode preference.

~~9~~8. The method of any one of claims 1-~~7,~~6 further comprising:

sending resource configuration information, that is configured by a network element other than the CU, of a second multicast or broadcast service to the CU, wherein the sent resource configuration information is used by the CU to configure the resources of the first multicast or broadcast service for the DU.

~~10~~9. A multicast or broadcast resource configuration method, applied to a Centralized Unit (CU), comprising:

receiving relevant information, that is reported by at least one Distributed Unit (DU), of a first multicast or broadcast service that is expected to be received by at least one terminal, wherein the received relevant information is used to configure resources of the first multicast or broadcast service for each of the at least one DU; and

sending resource configuration information of the first multicast or broadcast service to each DU.

~~11~~10. The method of claim ~~10~~9, wherein when the relevant information, that is reported by the at least one DU, of the first multicast or broadcast service that is expected to be received by the at least one terminal is received, the method comprises:

receiving the relevant information of the first multicast or broadcast service that is reported by the terminal and that is delivered by the DU without interpretation.

~~12. The method of claim 10, wherein when receiving the relevant information, that is reported by the at least one DU, of the first multicast or broadcast service that is expected to be received by the at least one terminal, the method comprises:~~

~~receiving a statistical result reported by the DU, the statistical result being obtained by performing statistics on the relevant information, that is reported by the at least one terminal, of the first multicast or broadcast service.~~

~~13. The method of claim 10, wherein when receiving the relevant information, that is reported by the at least one DU, of the first multicast or broadcast service that is expected to be received by the at least one terminal, the method further comprises:~~

~~receiving first information sent by the DU, the first information representing a transmission mode suggested for the first multicast or broadcast service, wherein the first information and the received relevant information are used to configure a first multicast or broadcast service resource for each of the at least one DU.~~

~~14. The method of claim 13, wherein in a case where the transmission mode suggested for the first multicast or broadcast service is a multicast mode, when receiving the first information sent by the CU, the method further comprises:~~

~~receiving second information sent by the DU, the second information representing a multicast area or broadcast area suggested for the first multicast or broadcast service, and the first information, wherein the second information and the received relevant information are used to configure resources of the first multicast or broadcast service for each of the at least one DU.~~

~~15. The method of claim 10, wherein~~

~~statistics is performed on the relevant information reported by the at least one DU to~~

~~obtain a statistical result, and the statistical result is configured to determine that the first multicast or broadcast service adopts a multicast transmission mode; and~~

~~same resources for the first multicast or broadcast service are configured for the at least one DU.~~

1~~6~~1. The method of claim ~~10~~9, wherein

for each of the at least one DU, the relevant information of the first multicast or broadcast service of at least one terminal that is reported by a corresponding DU is used to configure the resources of the first multicast or broadcast service for the corresponding DU; wherein

the resources allocated to respective DUs are different.

~~17. The method of any one of claims 10-16, further comprising:~~

~~receiving resource configuration information of a second multicast or broadcast service that is configured by a network element other than the CU and that is sent by the DU, wherein the received resource configuration information and the relevant information are configured to allocate the resources of the first multicast or broadcast service to the DU.~~

~~18~~12. The method of any one of claims ~~10~~9-~~16~~11, wherein the relevant information comprises at least one of:

an identification of the first multicast or broadcast service;

a location of the terminal; or

a receiving mode preference.

~~19~~13. A multicast or broadcast resource configuration method, applied to a terminal, comprising:

reporting relevant information of a first multicast or broadcast service that is expected to be received to a Distributed Unit (DU), the reported relevant information is used by a Centralized Unit (CU) to configure resources of the first multicast or broadcast service for the DU.

~~20~~14. The method of claim ~~19~~13, further comprising:

receiving a system information, the system information carrying at least one piece of

multicast or broadcast service information; and

determining the first multicast or broadcast service that is expected to be received by using the at least one piece of multicast or broadcast service information.

~~21~~15. The method of claim 13~~19~~, wherein the relevant information of the first multicast or broadcast service that is expected to be received is reported to the DU in one of following manners:

a Media Access Control Control Element (MAC CE);

physical layer signaling; or

Radio Resource Control (RRC) signaling.

~~22~~16. The method of any one of claims ~~19~~13-~~21~~15, wherein the relevant information comprises at least one of:

an identification of the first multicast or broadcast service;

a location of the terminal; or

a receiving mode preference.

~~23. An information transmission method, applied to a Distributed Unit (DU), comprising:~~

~~sending configuration information associated with a configured multicast or broadcast service to a Centralized Unit (CU), wherein the configuration information is used by the CU to perform resource coordination.~~

~~24. The method of claim 23, wherein sending the configuration information associated with the configured multicast or broadcast service to the CU comprises:~~

~~actively sending the configuration information to the CU; or~~

~~sending the configuration information to the CU in response to a request of the CU.~~

~~25. An information transmission method, applied to a Centralized Unit (CU), comprising:~~

~~receiving configuration information associated with a multicast or broadcast service sent by a Distributed Unit (DU); and~~

~~performing resource coordination by using the configuration information.~~

~~26. The method of claim 25, wherein receiving the configuration information associated with~~

the configured multicast or broadcast service sent by the CU comprises:

receiving the configuration information actively sent by the DU; or

sending a request to the DU; and receiving the configuration information which is sent by the DU in response to the request.

27. A multicast or broadcast resource configuration apparatus, comprising:

a first receiving unit, configured to receive relevant information, that is reported by at least one terminal, of a first multicast or broadcast service that is expected to be received;

a first sending unit, configured to send the received relevant information to a Centralized Unit (CU), wherein the sent relevant information is used by the CU to configure resources of the first multicast or broadcast service for a Distributed Unit (DU); and

a second receiving unit, configured to receive resource configuration information of the first multicast or broadcast service that is sent by the CU.

28. A multicast or broadcast resource configuration apparatus, comprising:

a third receiving unit, configured to receive relevant information, that is reported by at least one Distributed Unit (DU), of a first multicast or broadcast service that is expected to be received by at least one terminal; and

a configuration unit, configured to send resource configuration information of the first multicast or broadcast service to each DU.

29. A multicast or broadcast resource configuration apparatus, comprising:

a reporting unit, configured to report relevant information of a first multicast or broadcast service that is expected to be received to a Distributed Unit (DU), wherein the reported relevant information is used by a Centralized Unit (CU) to configure resources of the first multicast or broadcast service for the DU.

30. An information transmission apparatus, comprising:

a second sending unit, configured to send configuration information associated with a configured multicast or broadcast service to a Centralized Unit (CU), wherein the configuration information is used by the CU to perform resource coordination.

31. An information transmission apparatus, comprising:

a fifth receiving unit, configured to receive configuration information associated with a multicast or broadcast service sent by a Distributed Unit (DU); and

a coordination unit, configured to perform resource coordination by using the configuration information.

32. A Distributed Unit (DU), comprising: a first processor and a first communication interface; wherein

the first communication interface is configured to:

receive relevant information, that is reported by at least one terminal, of a first multicast or broadcast service that is expected to be received; send the received relevant information to a Centralized Unit (CU), the sent relevant information being used by the CU to configure resources of the first multicast or broadcast service for the DU; and receive resource configuration information of the first multicast or broadcast service that is sent by the CU; or

the first communication interface is configured to send configuration information associated with a configured multicast or broadcast service to a CU, wherein the configuration information is used by the CU to perform resource coordination.

33. A Centralized Unit (CU), comprising: a second processor and a second communication interface; wherein

the second communication interface is configured to receive relevant information, that is reported by at least one Distributed Unit (DU), of a first multicast or broadcast service that is expected to be received by at least one terminal; and send resource configuration information of the first multicast or broadcast service to each DU; or

the second communication interface is configured to receive configuration information associated with a multicast or broadcast service sent by the DU; and the second processor is configured to perform resource coordination by using the configuration information.

34. A terminal, comprising: a third processor and a third communication interface; wherein

the third communication interface is configured to report relevant information of a first multicast or broadcast service that is expected to be received to a Distributed Unit (DU), wherein the reported relevant information is used by a Centralized Unit (CU) to configure resources of the first multicast or broadcast service for the DU.

~~35~~17. A Distributed Unit (DU), comprising: a first processor and a first memory configured to store a computer program executable on the processor,

wherein the first processor is configured to execute the steps of the method of any one of claims 1-~~98~~, ~~or the steps of the method of any one of claim 23 or 24 when running the computer program~~.

~~36~~18. A Centralized Unit (CU), comprising: a second processor and a second memory configured to store a computer program executable on the processor,

wherein the second processor is configured to execute the steps of the method of any one of claims ~~10~~9-~~18~~12, or the steps of the method of any one of claim ~~25~~ 13-16~~or 26~~ when running the computer program.

~~37~~19. A terminal, comprising: a third processor and a third memory configured to store a computer program executable on the processor,

wherein the third processor is configured to execute the steps of the method of any one of claims ~~19~~13-~~22~~16 when running the computer program.

~~38~~20. A storage medium having stored thereon a computer program, that when executed by a processor, implements the steps of the method of any one of claims 1-~~98~~, or the steps of the method of any one of claims ~~10-18~~9-12, or the steps of the method of any one of claims ~~19-22~~13-16~~, or the steps of the method of any one of claim 23 or 24, or the steps of the method of any one of claim 25 or 26~~.