CLAIMS

1. A communication method, comprising:

receiving, by a first donor node, integrated access and backhaul (IAB) authorization information, wherein the IAB authorization information indicates an authorization status of a first IAB node, the first IAB node comprises a first distributed unit and a first mobile termination (MT) the first mobile termination has an RRC connection to a second donor node, the first distributed unit has an F1 connection to or attempts to establish an F1 connection to the first donor node, and the first donor node and the second donor node are different donor nodes; and

determining, by the first donor node based on the IAB authorization information, whether the first IAB node is allowed to serve user equipment (UE).

2. The method according to claim 1, wherein the first IAB node is a mobile IAB node and the IAB authorization information of the first IAB node is a mobile IAB authorized information element.

3. The method according to claim 2, wherein the mobile IAB authorized information element includes a value of authorized or not authorized.

4. The method according to any one of claims 1 to 3, wherein the second donor node is non-F1-terminating central unit (CU) and the first donor node is F1-terminating CU.

5. The method according to any one of claims 1 to 4, wherein the second donor node serves as a master node of the first IAB node and the first donor node serves as a secondary node of the first IAB node.

6. The method according to claim 5, wherein the master node is MeNB and the secondary node is SgNB.

7. A communication method, comprising:

sending, by a second donor node, integrated access and backhaul (IAB) authorization information to a first donor node, wherein the IAB authorization information indicates an authorization status of a first IAB node, the first IAB node comprises a first distributed unit and a first mobile termination, the first mobile termination has an RRC connection to the second donor node, and the first distributed unit has an F1 connection to or attempts to establish an F1 connection to the first donor node.

8. The method according to claim 7, wherein before sending, by the second donor node, the IAB authorization information to the first donor node, the method further comprises:

receiving, by the second donor node, the IAB authorization information from an access and mobility management function (AMF) or an MME in a core network.

9. The method according to claim 7 or 8, wherein the first IAB node is a mobile IAB node

and the IAB authorization information of the first IAB node is a mobile IAB authorized information element.

10. The method according to claim 9, wherein the mobile IAB authorized information element includes a value of authorized or not authorized.

11. The method according to any one of claims 7 to 10, wherein the second donor node is non-F1-terminating central unit (CU) and the first donor node is F1-terminating CU.

12. The method according to any one of claims 7 to 11, wherein the second donor node serves as a master node of the first IAB node and the first donor node serves as a secondary node of the first IAB node.

13. The method according to claim 12, wherein the master node is MeNB and the secondary node is SgNB.

14. A communication apparatus, which is configured to perform the method according to any one of claims 1 to 6, or the method according to any one of claims 7 to 13.

15. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is run, an apparatus is enabled to perform the method according to claim 1 to 6, or the method according to any one of claims 7 to 13.