CLAIMS

1. A communication method, wherein the method comprises:

receiving, by a first donor-central unit CU, a third message sent by a distributed unit DU of a relay node, wherein the third message comprises user location information ULI of a mobile termination MT of the relay node, and the first donor-CU is a donor-CU connected to the DU; and

sending, by the first donor-CU, a fourth message to a first core network element, wherein the fourth message comprises ULI of UE and indication information indicating the ULI of the MT, the first core network element is a core network element serving the UE, and the UE is UE managed by the DU.

2. The method according to claim 1, wherein the relay node is an mIAB, and the first core network element is an AMF.

3. The method according to claim 2, wherein the fourth message is a message used by the first donor-CU to send context information of the UE to the AMF.

4. The method according to claim 2, wherein the indication information in the fourth message is the ULI of the mIAB-MT.

5. The method according to claim 2, wherein the indication information in the fourth message is a relationship between the ULI of the mIAB-MT and the ULI of the UE.

6. A communication method, wherein the method comprises:

sending, by a distributed unit DU of a relay node, a third message to a first donor-central unit CU, wherein the third message comprises user location information ULI of a mobile termination MT of the relay node, and the first donor-CU is a donor-CU connected to the DU.

7. The method according to claim 6, wherein the relay node is an mIAB, and the first core network element is an AMF.

8. The method according to claim 7, wherein the fourth message is a message used by the first donor-CU to send context information of the UE to the AMF.

9. The method according to claim 7, wherein the indication information in the fourth message is the ULI of the mIAB-MT.

10. The method according to claim 7, wherein the indication information in the fourth message is a relationship between the ULI of the mIAB-MT and the ULI of the UE.

11. A communication method, wherein the method comprises:

receiving, by a first core network element from a first donor-CU, a fourth message, wherein the fourth message comprises location information ULI of UE and indication information indicating the ULI of a mobile termination MT of a relay node, the first core network element is a core network element serving the UE, and the UE is UE managed by a distributed unit DU of the

relay node.

12. A communication system comprising: a first donor-central unit CU and a distributed unit DU of a relay node;

wherein the first donor-CU is configured to perform:

receive a third message sent by a distributed unit DU of a relay node, wherein the third message comprises user location information ULI of a mobile termination MT of the relay node, and the first donor-CU is a donor-CU connected to the DU; and

send a fourth message to a first core network element, wherein the fourth message comprises ULI of UE and indication information indicating the ULI of the MT, the first core network element is a core network element serving the UE, and the UE is UE managed by the DU;

wherein the DU of the relay node is configured to: send the third message to the first donor-central unit CU.

13. The system according to claim 12, wherein the system further comprises the first core netowork element configured to receive the fourth message from the first donor-CU.

14. An apparatus, which is configured to perform the communication method according to any one of claims 1 to 5, or any one of claims 6 to 10, or claim 11.

15. A computer-readable storage medium, wherein the storage medium stores a computer program or instructions, and when the computer program or the instructions are executed by a processor, the communication method according to any one of claims 1 to 5, or any one of claims 6 to 10, or claim 11 is implemented.