WHAT IS CLAIMED IS:

1. A method for connection establishment, performed by a relay device, the method comprising:

in response to receiving connection-related information from a remote device, determining a reason for performing a connection establishment with a base station by the relay device according to the connection-related information, wherein when the remote device is in an inactive state, the connection-related information is configured to indicate a connection resumption request of the remote device.

2. The method as claimed in claim 1, wherein determining the reason for performing the connection establishment with the base station by the relay device according to the connection-related information comprises:

in response to the connection establishment being triggered by the connection-related information from the remote device, the connection-related information indicating the connection resumption request of the remote device, and a reason in the connection resumption request being a radio access network (RAN) area update, determining that the reason for performing the connection establishment with the base station by the relay device is a first reason, wherein the first reason is related to the RAN area update.

3. The method as claimed in claim 2, wherein the first reason is a user-initiated signalling.

4. The method as claimed in claim 1, wherein determining the reason for performing the connection establishment with the base station by the relay device according to the connection-related information comprises:

in response to the connection-related information indicating a connection re-establishment request of the remote device, determining that the reason for performing the connection establishment with the base station by the relay device is a second reason, wherein the second reason is related to a connection re-establishment.

5. The method as claimed in claim 4, wherein the second reason is user-initiated data.

6. The method as claimed in claim 4, wherein the second reason is re-establishment.

7. The method as claimed in claim 1, wherein determining the reason for performing the connection establishment with the base station by the relay device according to the connection-related information comprises:

determining the reason for performing the connection establishment according to a reason in a connection request of the remote device indicated by the connection-related information.

8. The method as claimed in claim 7, wherein determining the reason for performing the connection establishment according to the reason in the connection request of the remote device indicated by the connection-related information comprises:

determining the reason in the resumption connection request of the remote device indicated by the connection-related information as the reason for performing by the relay device the connection establishment.

9. The method as claimed in claim 1, wherein determining the reason for performing the connection establishment with the base station by the relay device according to the connection-related information comprises:

determining a service type corresponding to a connection request of the remote device indicated by the connection-related information; and

determining the reason for performing the connection establishment according to the service type.

10. The method as claimed in claim 1, wherein determining the reason for performing the connection establishment with the base station by the relay device according to the connection-related information comprises:

determining that the reason for performing by the relay device the connection establishment.

11. The method as claimed in claim 10, wherein determining that the reason for performing by the relay device the connection establishment is the relay comprises:

determining that the reason for performing by the relay device the connection establishment is relay for the remote device.

12. The method as claimed in any one of claims 1 to 11, further comprising:

sending the reason to the base station while sending a connection establishment request to the base station.

13. A method for connection establishment, performed by a remote device, the method comprising:

in response to communicating with a base station through a relay device, sending connection-related information to the relay device, wherein when the remote device is in an inactive state, the connection-related information is configured to indicate a connection resumption request of the remote device, to cause the relay device to determine a reason for performing a connection establishment with the base station by the relay device according to the connection-related information.

14. The method as claimed in claim 13, wherein sending the connection-related information to the relay device comprises:

in response to the relay device being in a non-connected state, sending the connection-related information to the relay device.

15. The method as claimed in claim 13 or 14, wherein the connection request comprises at least one of:

a connection establishment request, a connection re-establishment request or a connection resumption request.

16. An apparatus for connection establishment, applicable to a relay device, the apparatus comprising:

a reason determining module configured to, in response to receiving connection-related information from a remote device, determine a reason for performing a connection establishment with a base station by the relay device according to the connection-related information, wherein when the remote device is in an inactive state, the connection-related information is configured to indicate a connection resumption request of the remote device.

17. An apparatus for connection establishment, applicable to a remote device, the apparatus comprising:

a reason sending module configured to, in response to communicating with a base station through a relay device, send connection-related information to the relay device, wherein when the remote device is in an inactive state, the connection-related information is configured to indicate a connection resumption request of the remote device, to cause the relay device to determine a reason for performing a connection establishment with the base station by the relay device according to the connection-related information.

18. An electronic device, comprising:

a processor; and

a memory for storing instructions executable by the processor;

wherein the processor is configured to perform the method for connection establishment of any one of claims 1 to 12 and/or the method for connection establishment of any one of 13 to 15.

19. A computer-readable storage medium having stored therein a computer program that, when executed by a processor, actions in the method for connection establishment of any one of claims 1 to 12 and/or in the method for connection establishment of any one of 13 to 15 are realized.