WHAT IS CLAIMED IS:

1. A method for adjusting a transmit power, performed by a user equipment, comprising:

receiving first information sent by a network device, wherein the first information is used by the user equipment to initiate a random access procedure with a candidate cell for measuring a timing advance (TA), the first information comprises at least one of a random access resource of the candidate cell or first beam information for initiating the random access procedure, and the first information is sent to the user equipment by a serving cell of the user equipment;

receiving configuration information sent by the network device, wherein the configuration information comprises a power ramping step for performing the random access procedure; and

determining a first transmit power for the random access procedure based on the first information and the power ramping step.

2. The method of claim 1, further comprising:

determining whether the random access procedure is a random access preamble initial transmission or the random access preamble retransmission based on the first information.

3. The method of claim 2, wherein the first information comprises a first field, and the first field indicates that the random access procedure is the random access preamble initial transmission or indicates that the random access transmission is the random access preamble retransmission.

4. The method of claim 2, wherein determining the first transmit power for the random access procedure based on the first information and the power ramping step comprises:

determining that the random access procedure is the random access preamble retransmission based on the first information; and

determining the first transmit power based on the power ramping step.

5. The method of claim 4, wherein determining the first transmit power based on the power ramping step comprises:

determining a quantity of random access preamble retransmissions; and

determining the first transmit power based on the quantity of random access preamble retransmissions and the power ramping step;

optionally wherein the first information comprises a third field for indicating the quantity of random access preamble retransmissions, and determining the quantity of random access preamble retransmissions comprises:

determining the quantity of random access preamble retransmissions based on the third field; or

optionally wherein determining the first transmit power based on the quantity of random access preamble retransmissions and the power ramping step comprises:

obtaining the quantity of random access preamble retransmissions;

determining a second transmit power for the random access procedure based on the quantity of random access preamble retransmissions and an initial transmit power of the random access procedure; and

determining a minimum value between a maximum transmit power of the user equipment and the second transmit power as the first transmit power.

6. The method of claim 5, wherein determining the quantity of random access preamble retransmissions comprises:

determining the quantity of random access preamble retransmissions based on a retransmission counter;

optionally further comprises:

determining that the user equipment performs the random access procedure once; and

accumulating a quantity of random access procedures based on the retransmission counter.

7. The method of any of claims 1 to 6, wherein determining the first transmit power for the random access procedure based on the first information and the power ramping step comprises:

determining, based on the first information, that the random access procedure is a random access preamble initial transmission, and resetting a power ramping value of the user equipment; and

determining the first transmit power based on the power ramping step and the power ramping value reset;

optionally further comprising:

resetting a value of a retransmission counter to an initial value.

8. The method of any of claims 1 to 6, wherein the first information comprises a third field, and determining the first transmit power for the random access procedure based on the first information and the power ramping step comprises:

in response to the third field matching an initial transmission identifier, determining to reset a power ramping value; and

determining the first transmit power based on the power ramping step and the power ramping

value reset; or,

in response to the third field not matching an initial transmission identifier, determining a target power ramping value based on the third field and the power ramping step; and

determining the first transmit power based on the target power ramping value and a power ramping value.

9. The method of any of claims 1 to 6, wherein the first information comprises a fourth field for updating a transmit beam of the random access procedure, and determining the first transmit power for the random access procedure based on the first information and the power ramping step comprises:

in response to the fourth field updating the transmit beam of the random access procedure, resetting a power ramping value; and

determining the first transmit power based on the fourth field, the power ramping value reset and the power ramping step.

10. The method of claim 9, further comprising:

resetting a value of a retransmission counter to an initial value.

11. The method of claim 9, wherein the first information comprises a fifth field for indicating that the random access procedure is a random access preamble initial transmission, and resetting the power ramping value comprises:

in response to the fifth field matching an initial transmission identifier, resetting the power ramping value based on the fifth field; or

wherein the first information comprises a sixth field for indicating a quantity of random access preamble retransmissions, and determining the first transmit power based on the fourth field, the power ramping value reset and the power ramping step comprises:

determining a quantity of historical random access preamble retransmissions of the user equipment before a beam switching; and

determining the first transmit power based on the sixth field, the quantity of historical random access preamble retransmissions and the power ramping step.

12. A method for adjusting a transmit power, performed by a network device, comprising:

sending first information, wherein the first information is used by a user equipment to initiate a random access procedure with a candidate cell for measuring a timing advance (TA), the first information comprises at least one of a random access resource of the candidate cell or first beam

information for initiating the random access procedure, and the first information is sent to the user equipment by a serving cell of the user equipment; and

sending configuration information, wherein the configuration information comprises a power ramping step for performing the random access procedure, wherein the user equipment determines a first transmit power for the random access procedure based on the first information and the power ramping step.

13. The method of claim 12, wherein the first information comprises a first field, and the first field indicates that the random access procedure is a random access preamble initial transmission or indicates that the random access procedure is a random access preamble retransmission;

optionally wherein the first information comprises a fourth field for indicating the user equipment to update a transmit beam of the random access procedure, and the first transmit power is determined based on the fourth field.

14. A user equipment, comprising:

one or more processors;

wherein the user equipment is configured to implement the method for adjusting the transmit power of any one of claims 1 to 11.

15. A network device, comprising:

one or more processors;

wherein the network device is configured to implement the method for adjusting the transmit power of any one of claims 12 to 13.