What is claimed is:

1. A method for feeding back channel state information, comprising:

acquiring first check channel information;

determining first check channel state information according to the first check channel information; and

feeding back the first check channel state information.

2. The method for feeding back channel state information according to claim 1, wherein the first check channel information is acquired by means of one of the following manners:

acquiring the first check channel information according to received first signaling; and

acquiring the first check channel information according to an agreed method.

3. The method for feeding back channel state information according to claim 1, wherein acquiring the first check channel information comprises: determining the first check channel information according to first check data and first channel information.

4. The method for feeding back channel state information according to claim 3, wherein determining the first check channel information according to the first check data and the first channel information comprises:

combining the first check data and the first channel information at a specified position, to obtain the first check channel information;

wherein combining the first check data and the first channel information at a specified position, to obtain the first check channel information comprises:

determining an array corresponding to the first check channel information; and

inserting the first check data at the specified position of the array.

5. The method for feeding back channel state information according to claim 4, wherein the specified position at least comprises one of the following: an agreed first position and a second position acquired according to received second signaling, the first position and the second position comprise one of the following: an index value of an array in a k-th dimension, a start index of the array in the k-th dimension, an end index of the array in the k-th dimension, and an index length of the array in the k-th dimension, wherein the array is an array corresponding to at least one of the first check data, the first channel information and the first check channel information, and k is a

positive integer.

6. The method for feeding back channel state information according to claim 4, wherein the specified position at least comprises one of the following: equally-spaced L index values with a starting point being p, and L successive index values with the starting point being p, wherein p is an index value of a k-th dimension of an array corresponding to the first check channel information, p is a positive integer, L is the length of the k-th dimension of the first check data, and k is a positive integer.

7. The method for feeding back channel state information according to claim 6, wherein p comprises at least one of the following: a non-negative integer less than N-L, 0,1, N-L, and floor(N/2), wherein N is the length of the k-th dimension of the array corresponding to the first check channel information, L is the length of the k-th dimension of the first check data, k is a positive integer, and floor represents a rounding function.

8. The method for feeding back channel state information according to claim 3 or 4, wherein the first check data comprises an agreed constant array or a known sequence array, or the first check data is a mapping of a subset of the first channel information.

9. The method for feeding back channel state information according to claim 3 or 4, wherein the method further comprises:

determining, according to received third signaling, that the first check data is a subset of the first channel information, wherein the subset comprises a frequency domain subset and/or a time domain subset of the first channel information; wherein the third signaling is used for determining a grouping manner of the first channel information, and determining the first check data according to the grouping manner, wherein the grouping manner comprises overlapped grouping and non-overlapped grouping.

10 The method for feeding back channel state information according to claim 1, wherein determining the first check channel state information according to the first check channel information comprises:

determining the first check channel state information according to the first check channel information and a first neural network model.

11. The method for feeding back channel state information according to claim 1, wherein feeding back the first check channel state information comprises:

feeding back the first check channel state information according to a designated report configuration category.

12. A method for receiving channel state information, comprising:

receiving first check channel state information;

determining second check channel information according to the first check channel state information; and

determining a network quality identifier according to the second check channel information.

13. The method for receiving the channel state information according to claim 12, wherein receiving the first check channel state information comprises:

receiving the first check channel state information according to a designated report configuration category.

14. The method for receiving the channel state information according to claim 12 or 13, wherein the method further comprises:

transmitting third signaling, wherein the third signaling is used for determining a subset of first channel information, and comprises: according to the third signaling, determining that first check data is a frequency domain subset and/or a time domain subset of the first channel information; wherein the third signaling is used for determining a grouping manner of the first channel information, and determining the first check data according to the grouping manner, wherein the grouping manner comprises overlapped grouping and non-overlapped grouping.

15. The method for receiving channel state information according to claim 12, wherein the second check channel information comprises second check data and second channel information.

16. The method for receiving the channel state information according to claim 12, wherein determining the network quality identifier according to the second check channel information comprises:

acquiring the second check data from a specified position of the second check channel information; and

determining a network quality identifier according to the first check data and the second check data.

17. The method for receiving the channel state information according to claim 16, wherein after

determining the network quality identifier according to the first check data and the second check data, the method further comprises:

determining a feedback category of the channel state information according to the network quality identifier, or updating network parameters of a second neural network model, or updating network parameters of a first neural network model.

18. The method for receiving the channel state information according to claim 12, wherein the method further comprises:

transmitting a reference signal according to a designated resource category, wherein the reference signal is used for acquiring the first check channel information.

19. A computer readable storage medium storing a computer program, wherein the computer program is configured to execute, when running, the method according to any one of claims 1 to 11 or the method according to any one of claims 12 to 18.

20. An electronic device, comprising a memory and a processor, wherein the memory stores a computer program, and the processor is configured to execute the method according to any one of claims 1 to 11 or the method according to any one of claims 12 to 18 by means of the computer program.