WHAT IS CLAIMED IS:

1. A method for sending information, performed by~~applicable to~~ a first device, the method comprising:

sending information to a second device, the information being provided with a padding and packet extension (PPE) thresholds information field, the PPE thresholds information field being provided with a plurality of information elements, and an information element subfield comprising a constellation index;

wherein a modulation mode corresponding to the constellation index at least comprises 4096-QAM.

2. The method of claim 1, wherein the information ~~element~~ at least comprises a resource unit (RU) allocation index;

wherein, in a case of single RU, a RU allocation size corresponding to the RU allocation index at least comprises 4*996-tone in a case of a single RU.

3. The method of claim 2, wherein a number of bits occupied by the RU allocation index is greater than or equal to 4.

4. The method of claim 2, wherein, in a case of multi-RU, the RU allocation size corresponding to the RU allocation index further comprises at least one of ~~the following in a case of a multi-RU~~:

2*996-tone, 4*996-tone, 484+242-tone, 996+484-tone, 996+484+242-tone, 2*996+484-tone, 3*996-tone and 3*996+484-tone.

5. The method of claim 4, wherein the information further comprises an identification field, and the identification field is configured to identify whether the RU allocation size corresponding to the RU allocation index is the single RU or the multi-RU.

6. The method of any one of claims 1 to 5, wherein the information element at least comprises a number of space–time stream (NSTS);

wherein a number of bits occupied by the NSTS is greater than or equal to 4 and the

NSTS is configured to identify at least 16 space–time streams.

7. The method of any one of claims 1 to 6, wherein the information element at least comprises a PPE time value;

the PPE time value at least comprises 8 milliseconds and 16 milliseconds.

8. The method of claim 7, wherein the PPE time value further comprises 20 milliseconds.

9. The method of any one of claims 1 to 8, further comprising:

sending first capability information to the second device, wherein the first capability information comprises a PPE time value supported by the first device.

10. The method of any one of claims 1 to 8, further comprising:

receiving second capability information from the second device, wherein the second capability information comprises a PPE time value supported by the second device.

11. An apparatus for sending information, applicable to a first device, the apparatus comprising:

an information sending module, configured to send information to a second device, the information being provided with a padding and packet extension (PPE) thresholds information field, the PPE thresholds information field being provided with a plurality of information elements, and an information element subfield comprising a constellation index;

wherein a modulation mode corresponding to the constellation index at least comprises 4096-QAM.

12. 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 of any one of claims 1 to 10.

13. A computer-readable storage medium having stored therein a computer program that, when executed by a processor, steps of the method of any one of claims 1 to 10 are performed.