WHAT IS CLAIMED IS:

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

sending information to a second device, the information comprising a padding and packet extension (PPE) thresholds field and a resource unit (RU) allocation index, the PPE thresholds field comprising a PPE thresholds information field, the PPE thresholds information field comprising a plurality of information element subfields, and one of the information element subfields comprising a constellation index;

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

wherein in a case of multi-RU, a RU allocation size corresponding to the RU allocation index comprises at least one of:

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,

wherein a number of bits occupied by the RU allocation index is greater than or equal to 4.

2. The method of claim 1,

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

3. The method of claim 2, 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.

4. The method of any one of claims 1 to 3, wherein one of the information element subfields 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.

5. The method of any one of claims 1 to 4, wherein one of the information element

subfields at least comprises a PPE time value;

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

6. The method of claim 5, wherein the PPE time value further comprises 20 milliseconds.

7. The method of any one of claims 1 to 6, 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.

8. The method of any one of claims 1 to 6, 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.

9. 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 comprising a padding and packet extension (PPE) thresholds field and a resource unit (RU) allocation index, the PPE thresholds field comprising a PPE thresholds information field, the PPE thresholds information field comprising a plurality of information element subfields, and one of the information element subfields comprising a constellation index;

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

wherein in a case of multi-RU, a RU allocation size corresponding to the RU allocation index comprises at least one of:

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,

wherein a number of bits occupied by the RU allocation index is greater than or equal to 4.

10. 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 8.

11. 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 8 are performed.