WHAT IS CLAIMED IS:

1. A method for determining a reference time domain unit, executed by a first device operating on an unlicensed spectrum, comprising:

determining a number of pieces of first information included in each time domain unit within a first channel occupation time (COT), wherein the first COT is before the first device initiates channel detection; wherein the first information comprises: downlink data information that a base station requires a terminal to feed back a Hybrid Automatic Repeat Request (HARQ) result; and

determining the reference time domain unit based on the number of pieces of first information;

wherein determining the reference time domain unit based on the number of pieces of first information comprises:

determining a first time domain unit, within the first COT, that the number of pieces of first information is greater than a preset threshold as the reference time domain unit.

2. The method according to claim 1, wherein the first information comprises one of:

HARQ result information needed to be fed back by the terminal; or

feedback information respectively corresponding to at least one HARQ process identifier.

3. The method according to claim 2, wherein determining the reference time domain unit based on the number of pieces of first information comprises:

determining a first time domain unit, within the first COT, that the number of pieces of first information is greater than a preset threshold as the reference time domain unit, in response to the first information comprising the HARQ result information needed to be fed back by the terminal; or

determining each time domain unit, within the COT, that the number of pieces of first information is greater than the preset threshold as the reference time domain unit; or

determining a time domain unit, within the COT, that the number of pieces of first information included is maximum as the reference time domain unit.

4. The method according to claim 2, wherein determining the reference time domain unit based on the number of pieces of first information comprises:

determining each time domain unit comprising the first information as the reference time domain unit, in response to the first information comprising the feedback information respectively corresponding to the at least one HARQ process identifier.

5. The method according to any one of claims 1 to 4, comprising:

sending indication information to the terminal, wherein the indication information comprises an identifier of the reference time domain unit.

6. The method according to any one of claims 1 to 5, wherein the reference time domain unit comprises a symbol, a slot, a sub-frame, or a radio frame.

7. An apparatus for determining a reference time domain unit, operating on an unlicensed spectrum, comprising:

a processing module, configured to determine a number of pieces of first information included in each time domain unit within a first channel occupation time (COT), wherein the first COT is before the apparatus initiates channel detection; wherein the first information comprises: downlink data information that a base station requires a terminal to feed back a Hybrid Automatic Repeat Request (HARQ) result; and

wherein the processing module is further configured to determine the reference time domain unit based on the number of pieces of first information;

wherein the processing module is further configured to:

determine a first time domain unit, within the first COT, that the number of pieces of first information is greater than a preset threshold as the reference time domain unit.

8. The apparatus according to claim 7, wherein the first information comprises one of:

HARQ result information needed to be fed back by the terminal; or

feedback information respectively corresponding to at least one HARQ process identifier.

9. The apparatus according to claim 8, wherein the processing module further configured to:

determine a first time domain unit, within the first COT, that the number of pieces of first information is greater than a preset threshold as the reference time domain unit, in response to the first information comprising the HARQ result information needed to be fed back by the terminal; or

determine each time domain unit, within the COT, that the number of pieces of first information is greater than the preset threshold as the reference time domain unit; or

determine a time domain unit, within the COT, that the number of pieces of first information is maximum as the reference time domain unit.

10. The apparatus according to claim 8, wherein the processing module further configured to:

determine each time domain unit comprising the first information as the reference time domain unit, in response to the first information comprising the feedback information respectively corresponding to the at least one HARQ process identifier.

11. The apparatus according to any one of claims 7 to 10, comprising:

a sending module, configured to send indication information to the terminal through, wherein the indication information comprises an identifier of the reference time domain unit.

12. The apparatus according to any one of claims 7 to 11, wherein the reference time domain unit comprises a symbol, a slot, a sub-frame, or a radio frame.

13. A non-transitory computer-readable storage medium, wherein the storage medium has a computer program stored thereon, and the computer program is configured to execute a method for determining a reference time domain unit according to any one of claims 1 to 6.

14. An apparatus for determining a reference time domain unit, operating on an unlicensed spectrum, comprising:

a processor;

a memory for storing processor-executable instructions; wherein,

the processor is configured to execute a method for determining a reference time domain unit according to any one of claims 1 to 6.