CLAIMS:

1. A method of transmitting an uplink signal by a user equipment (UE) in a wireless communication system, the method comprising:

receiving a random access response (RAR) message comprising a timing advance (TA) command related to an index value for performing a timing advance operation by the UE;

determining a timing advance (TA) value for the timing advance operation based on (i) the TA command and (ii) a subcarrier spacing of an uplink channel to be initially transmitted after reception of the random access response (RAR) message; and

transmitting the uplink signal according to the timing advance operation based on the TA value.

2. The method according to claim 1, further comprising:

determining a basic unit of the TA value based on the subcarrier spacing of the uplink channel to be initially transmitted after the reception of the RAR message,

wherein determining the TA value for the timing advance operation comprises:

determining the TA value based on (i) the TA command and (ii) the basic unit of the TA value.

3. The method according to claim 1, wherein the TA value is configured to (i) increase with an increase in a value indicated by the TA command, and (ii) decrease with an increase in the subcarrier spacing.

4. A user equipment (UE) configured to transmit an uplink signal in a wireless communication system, the UE comprising:

a transceiver;

at least one processor; and

at least one computer memory operably connectable to the at least one processor and storing instructions that, when executed, cause the at least one processor perform operations comprising:

controlling the transceiver to receive a random access response (RAR) message comprising a timing advance (TA) command related to an index value for performing a timing advance operation by the UE;

determining a timing advance (TA) value for the timing advance operation based on (i) the TA command and (ii) a subcarrier spacing of an uplink channel to be initially transmitted after reception of the random access response (RAR) message; and

controlling the transceiver to transmit the uplink signal according to the timing advance operation based on the TA value.

5. The UE according to claim 4, wherein the operations further comprise:

determining a basic unit of the TA value is determined based on the subcarrier spacing of the uplink channel to be initially transmitted after the reception of the RAR message,

wherein determining the TA value for the timing advance operation comprises:

determining the TA value based on (i) the TA command and (ii) the basic unit of the TA value.

6. The UE according to claim 4, wherein the TA value is configured to (i) increase with an increase in a value indicated by the TA command, and (ii) decrease with an increase in the subcarrier spacing.

7. A method of transmitting an uplink signal by a user equipment (UE) in a wireless communication system, the method comprising:

receiving a downlink channel comprising a timing advance (TA) command related to an index value for performing a timing advance operation by the UE;

determining a TA value for the timing advance operation based on (i) the TA command and (ii) a largest value among subcarrier spacing values of a plurality of uplink bandwidth parts of the UE; and

transmitting the uplink signal according to the timing advance operation based on the TA value.

8. The method according to claim 7, further comprising:

determining a basic unit of the TA value based on the largest value among the subcarrier spacing values,

wherein determining the TA value for the timing advance operation comprises:

determining the TA value based on (i) the TA command and (ii) the basic unit of the TA value.

9. The method according to claim 7, wherein the TA value is configured to (i) increase with an increase in a value indicated by the TA command, and (ii) decrease with an increase in the largest value among the subcarrier spacing values.

10. The method according to claim 8, wherein determining the TA value for the timing advance operation comprises:

determining the TA value by rounding-off a value indicated by the TA command based on a basic unit of a TA value.

11. The method according to claim 10, wherein determining the TA value by rounding-off the value indicated by the TA command based on the basic unit of a TA value is performed based on the uplink signal being transmitted in a first uplink bandwidth part which has a first

subcarrier spacing smaller than the largest value among the subcarrier spacing values used for determining the TA value among the plurality of uplink bandwidth parts.

12. A user equipment (UE) configured to transmit an uplink signal in a wireless communication system, the UE comprising:

a transceiver;

at least one processor; and

at least one computer memory operably connectable to the at least one processor and storing instructions that, when executed, cause the at least one processor perform operations comprising:

receiving a downlink channel comprising a timing advance (TA) command related to an index value for performing a timing advance operation by the UE;

determining a TA value for the timing advance operation based on (i) the TA command and (ii) a largest value among subcarrier spacing values of a plurality of uplink bandwidth parts of the UE; and

transmitting the uplink signal according to the timing advance operation based on the TA value.

13. The UE according to claim 12, wherein the operations further comprise:

determining a basic unit of the TA value based on the largest value among the subcarrier spacing values,

wherein determining the TA value for the timing advance operation comprises:

determining the TA value based on (i) the TA command and (ii) the basic unit of the TA value.

14. The UE according to claim 12, wherein the TA value is configured to (i) increase with an increase in a value indicated by the TA command, and (ii) decrease with an increase in the largest value among the subcarrier spacing values.

15. The UE according to claim 13, wherein determining the TA value for the timing advance operation comprises:

determining the TA value by rounding-off a value indicated by the TA command based on a basic unit of a TA value.

16. The UE according to claim 15, wherein determining the TA value by rounding-off the value indicated by the TA command based on the basic unit of a TA value is performed based on the uplink signal being transmitted in a first uplink bandwidth part which has a first subcarrier spacing smaller than the largest value among the subcarrier spacing values used for determining the TA value among the plurality of uplink bandwidth parts.