CLAIMS

1. A communication method, comprising:

generating, by a User Equipment (UE), processing time information, the processing time information indicating one or more UE processing times supported by the UE; and

transmitting, by the UE, the processing time information to a network device.

2. The communication method of claim 1, wherein the processing time information comprises a minimum UE processing time supported by the UE.

3. The communication method of claim 1 or 2, wherein the UE supports at least one UE processing time level, the at least one UE processing time level has a correspondence with at least one UE processing time range, and the processing time information comprises the at least one UE processing time level supported by the UE.

4. The communication method of claim 3, wherein the processing time information comprises a UE processing time level corresponding to a minimum UE processing time supported by the UE.

5. The communication method of claim 1, wherein the processing time information comprises a UE processing time corresponding to a target parameter, the target parameter including at least one of the following parameters: a target UE category, a target numerology or a target carrier bandwidth, and the UE processing time being time required for data processing in case that the UE configures the target parameter.

6. The communication method of claim 5, wherein the target numerology comprises M numerologies, and the processing time information comprises a UE processing time, for each of the M numerologies, corresponding to the target UE category.

7. The communication method of any one of claims 5 to 6, wherein the target carrier bandwidth comprises N carrier bandwidths, and the processing time information comprises a UE processing time, for each of the N carrier bandwidths, corresponding to the target UE category.

8. The communication method of any of claims 1 to 7, wherein the UE processing time is time for preparing data uplink transmission after the UE receives an uplink scheduling instruction of the network device.

9. The communication method of any of claims 5 to 7, wherein the numerology comprises subcarrier spacing.

10. A User Equipment (UE), comprising:

a generating module, configured to generate processing time information, the processing time information indicating one or more UE processing times supported by the UE; and

a transmitting module, configured to transmit the processing time information to a network device.

11. The UE of claim 10, wherein the processing time information comprises a minimum UE processing time supported by the UE.

12. The UE of claim 10 or 11, wherein the UE supports at least one UE processing time level, the at least one UE processing time level has a correspondence with at least one UE processing time range, and the processing time information comprises the at least one UE processing time level supported by the UE.

13. The UE of claim 12, wherein the processing time information comprises a UE processing time level corresponding to a minimum UE processing time supported by the UE.

14. The UE of claim 12 or 13, further comprising: a receiving module, configured to receive notification information from the network device, the notification information indicating the correspondence between the at least one UE processing time level and the at least one UE processing time range.

15. The UE of any one of claims 10 to 14, further comprising: a receiving module, configured to receive, before the generating module generates processing time information, an indication message from the network device, the indication message

being configured to instruct the UE to report one or more UE processing times supported by the UE.

16. The UE of claim 10, wherein the processing time information comprises a UE processing time corresponding to a target parameter, the target parameter including at least one of the following parameters: a target UE category, a target numerology or a target carrier bandwidth, and the UE processing time being time required for data processing in case that the UE configures the target parameter.

17. The UE of claim 16, wherein the target numerology comprises M numerologies, and the processing time information comprises a UE processing time, for each of the M numerologies, corresponding to the target UE category.

18. The UE of any one of claims 16 to 17, wherein the target carrier bandwidth comprises N carrier bandwidths, and the processing time information comprises a UE processing time, for each of the N carrier bandwidths, corresponding to the target UE category.

19. The UE of any of claims 10 to 18, wherein the UE processing time is time for preparing data uplink transmission after the UE receives an uplink scheduling instruction of the network device.

20. The UE of any of claims 16 to 19, wherein the numerology comprises subcarrier spacing.