CLAIMS

1. A method of wireless communication performed by a user equipment, comprising: determining a granularity of a timing adjustment value, the granularity being variable based at least in part on a numerology associated with the user equipment, the granularity being determined based at least in part on at least one of: a timing adjustment command indicating the granularity, configuration information indicating the granularity, information regarding a communication, a carrier, or a band associated with the user equipment, or a combination thereof; and performing timing adjustment based at least in part on the granularity of the timing adjustment value.

2. The method of claim 1, wherein the timing adjustment command indicates at least one of: a value of a coefficient for determining the timing adjustment value based at least in part on a sample time of the user equipment, the sample time of the user equipment, or a combination of the sample time and the value of the coefficient.

3. The method of claim 1, wherein the configuration information includes at least one of: a master information block, a system information block, radio resource control (RRC) information, a media access control control element (MAC-CE), downlink control information (DCI), a group-common DCI, or a physical downlink control channel.

4. The method of claim 1, wherein the information regarding the communication, carrier, or band associated with the user equipment includes at least one of: a numerology of a downlink shared channel that provides the timing adjustment command, a numerology of a downlink control channel that schedules the downlink shared channel, a numerology of an uplink transmission of the user equipment, or a numerology of a scheduled uplink transmission of the user equipment.

5. The method of claim 1, wherein the timing adjustment is performed after an initial access procedure is performed.

6. The method of claim 1, wherein the timing adjustment is performed during an initial access procedure of the user equipment.

7. The method of claim 1, wherein the timing adjustment is performed for a timing adjustment group (TAG) that share the timing adjustment command.

8. The method of claim 7, wherein the timing adjustment command is interpreted differently for a first cell of the TAG than for a second cell of the TAG based at least in part on respective numerologies of the first cell and the second cell.

9. The method of claim 1, wherein the configuration information further indicates a delay for execution of the timing adjustment.

10. The method of claim 1, wherein the timing adjustment command indicates a delay for execution of the timing adjustment.

11. The method of claim 1, further comprising: determining a delay for execution of the timing adjustment based at least in part on at least one of the numerology associated with the user equipment, the carrier associated with the user equipment, the band associated with the user equipment, or a capability of the user equipment.

12. The method of claim 1, wherein a performance parameter for the timing adjustment is based at least in part on a particular fraction of the granularity of the timing adjustment.

13. The method of claim 1, wherein a performance parameter for the timing adjustment is based at least in part on at least one of: the granularity of the timing adjustment, the numerology associated with the user equipment, the carrier associated with the user equipment, the band associated with the user equipment, or a capability of the user equipment.

14. The method of claim 1, wherein the numerology associated with the user equipment includes a numerology of an uplink transmission of the user equipment.

15. A user equipment for wireless communication, comprising: a memory; and one or more processors operatively coupled to the memory, the memory and the one or more

processors configured to: determine a granularity of a timing adjustment value, the granularity being variable based at least in part on a numerology associated with the user equipment, the granularity being determined based at least in part on at least one of: a timing adjustment command indicating the granularity, configuration information indicating the granularity, information regarding a communication, a carrier, or a band associated with the user equipment, or a combination thereof; and perform timing adjustment based at least in part on the granularity of the timing adjustment value.

16. The user equipment of claim 15, wherein the timing adjustment command indicates at least one of: a value of a coefficient for determining the timing adjustment value based at least in part on a sample time of the user equipment, the sample time of the user equipment, or a combination of the sample time and the value of the coefficient.

17. The user equipment of claim 15, wherein the information regarding the communication, carrier, or band associated with the user equipment includes at least one of: a numerology of a downlink shared channel that provides the timing adjustment command, a numerology of a downlink control channel that schedules the downlink shared channel, a numerology of an uplink transmission of the user equipment, or a numerology of a scheduled uplink transmission of the user equipment.

18. The user equipment of claim 15, wherein the timing adjustment is performed during an initial access procedure of the user equipment.

19. The user equipment of claim 15, wherein the timing adjustment is performed for a timing adjustment group (TAG) that share the timing adjustment command.

20. The user equipment of claim 19, wherein the timing adjustment command is interpreted differently for a first cell of the TAG than for a second cell of the TAG based at least in part on respective numerologies of the first cell and the second cell.

21. The user equipment of claim 15, wherein the configuration information further indicates a delay for execution of the timing adjustment.

22. The user equipment of claim 15, wherein the timing adjustment command indicates

a delay for execution of the timing adjustment.

23. The user equipment of claim 15, wherein the one or more processors are further configured to: determine a delay for execution of the timing adjustment based at least in part on at least one of the numerology associated with the user equipment, the carrier associated with the user equipment, the band associated with the user equipment, or a capability of the user equipment.

24. The user equipment of claim 15, wherein a performance parameter for the timing adjustment is based at least in part on at least one of: the granularity of the timing adjustment, the numerology associated with the user equipment, the carrier associated with the user equipment, the band associated with the user equipment, or a capability of the user equipment.

25. A non-transitory computer-readable medium storing one or more instructions for wireless communication, the one or more instructions comprising: one or more instructions that, when executed by one or more processors of a user equipment, cause the one or more processors to: determine a granularity of a timing adjustment value, the granularity being variable based at least in part on a numerology associated with the user equipment, the granularity being determined based at least in part on at least one of: a timing adjustment command indicating the granularity, configuration information indicating the granularity, information regarding a communication, a carrier, or a band associated with the user equipment, or a combination thereof; and perform timing adjustment based at least in part on the granularity of the timing adjustment value.

26. The non-transitory computer-readable medium of claim 25, wherein the information regarding the communication, carrier, or band associated with the user equipment includes at least one of: a numerology of a downlink shared channel that provides the timing adjustment command, a numerology of a downlink control channel that schedules the downlink shared channel, a numerology of an uplink transmission of the user equipment, or a numerology of a scheduled uplink transmission of the user equipment.

27. The non-transitory computer-readable medium of claim 25, wherein the timing

adjustment is performed for a timing adjustment group (TAG) that share the timing adjustment command.

28. The non-transitory computer-readable medium of claim 25, wherein the one or more instructions, when executed by the one or more processors, further cause the one or more processors to: determine a delay for execution of the timing adjustment based at least in part on at least one of the numerology associated with the user equipment, the carrier associated with the user equipment, the band associated with the user equipment, or a capability of the user equipment.

29. An apparatus for wireless communication, comprising: means for determining a granularity of a timing adjustment value, the granularity being variable based at least in part on a numerology associated with the apparatus, the granularity being determined based at least in part on at least one of: a timing adjustment command indicating the granularity, configuration information indicating the granularity, information regarding a communication, a carrier, or a band associated with the apparatus, or a combination thereof; and means for performing timing adjustment based at least in part on the granularity of the timing adjustment value.

30. The apparatus of claim 29, wherein the timing adjustment is performed for a timing adjustment group (TAG) that share the timing adjustment command.

31. The apparatus of claim 29, further comprising: means for determining a delay for execution of the timing adjustment based at least in part on at least one of the numerology associated with the apparatus, the carrier associated with the apparatus, the band associated with the apparatus, or a capability of the apparatus.