CLAIMS

1. A method of wireless communication performed by an apparatus of a user equipment (UE), comprising:

performing a set of listen-before-talk (LBT) procedures;

setting a timer associated with LBT failures;

determining a quantity of LBT failures, associated with a result of the set of LBT procedures, within a period of time tracked by the timer;

selectively triggering a recovery procedure based on the quantity of LBT failures satisfying an LBT metric threshold, wherein, when the quantity of LBT failures satisfies the LBT metric threshold on a first bandwidth part, selectively triggering the recovery procedure comprises:

performing a bandwidth part switch from the first bandwidth part to a second bandwidth part, wherein the second bandwidth part is configured by a serving cell for the UE, and

transmitting, to the serving cell, a medium access control (MAC) message indicating that the LBT metric threshold is satisfied on the first bandwidth part, and wherein, when the quantity of LBT failures satisfies the LBT metric threshold on a secondary cell, selectively triggering the recovery procedure comprises:

transmitting, to the serving cell, a report indicating that the LBT metric threshold is satisfied on the secondary cell; and

resetting an LBT metric, associated with the quantity of LBT failures, based on at least one of a reconfiguration of the LBT metric or a reconfiguration of the timer.

2. The method of claim 1, wherein the MAC message includes information identifying at least one of:

the LBT metric,

a measurement report,

a channel occupancy time (COT) metric, or

a received signal strength indicator (RSSI).

3. The method of claim 1, wherein the LBT metric is further associated with at least one of:

a metric relating to a channel busy state as a result of LBT failure, or

a metric relating to an amount of data missed as a result of LBT failure.

4. The method of claim 1, wherein the second bandwidth part is different from an initial access bandwidth part or a default bandwidth part.

5. The method of claim 1, further comprising:

performing a random access channel (RACH) procedure after the bandwidth part switch.

6. The method of claim 1, wherein determining the quantity of LBT failures comprises:

determining that an LBT failure occurs for an LBT procedure of the set of LBT procedures based on a failure to transmit on an uplink transmission instance.

7. The method of claim 6, wherein the uplink transmission instance is at least one of:

a physical uplink shared channel (PUSCH) transmission,

a physical uplink control channel (PUCCH) transmission, or

a physical random access channel (PRACH) transmission, or

a sounding reference signal (SRS) transmission.

8. The method of claim 1, wherein the LBT metric is incremented for each failure to transmit on an uplink transmission instance.

9. The method of claim 1, wherein the LBT metric is incremented based on whether at least one failure to transmit on an uplink transmission instance occurs during the period of time.

10. The method of claim 1, wherein the LBT metric is incremented based on a threshold quantity of uplink transmission failures occurring during a threshold period of time.

11. The method of claim 1, wherein the LBT procedures are performed to access an unlicensed spectrum.

12. The method of claim 1, wherein the LBT metric relates to the secondary cell.

13. A user equipment (UE) for wireless communication, comprising:

a memory; and

one or more processors coupled to the memory, the one or more processors configured to:

perform a set of listen-before-talk (LBT) procedures;

set a timer associated with LBT failures;

determine a quantity of LBT failures, associated with a result of the set of LBT procedures, within a period of time tracked by the timer;

selectively trigger a recovery procedure based on the quantity of LBT failures satisfying an LBT metric threshold, wherein, when the quantity of LBT failures satisfies the LBT metric threshold on a first bandwidth part, the one or more processors, when selectively triggering the recovery procedure, are configured to:

perform a bandwidth part switch from the first bandwidth part to a second bandwidth part, wherein the second bandwidth part is configured by a serving cell for the UE, and

transmit, to the serving cell, a medium access control (MAC) message indicating that the LBT metric threshold is satisfied on the first bandwidth part, and wherein, when the quantity of LBT failures satisfies the LBT metric threshold on a secondary cell, the one or more processors, when selectively triggering the recovery procedure, are configured to:

transmit, to the serving cell, a report indicating that the LBT metric threshold is satisfied on the secondary cell; and

reset an LBT metric, associated with the quantity of LBT failures, based on at least one of a reconfiguration of the LBT metric or a reconfiguration of the timer.

14. The UE of claim 13, wherein the MAC message includes information identifying at least one of:

the LBT metric,

a measurement report,

a channel occupancy time (COT) metric, or

a received signal strength indicator (RSSI).

15. The UE of claim 13, wherein the LBT metric is further associated with at least one of:

a metric relating to a channel busy state as a result of LBT failure, or

a metric relating to an amount of data missed as a result of LBT failure.

16. The UE of claim 13, wherein the second bandwidth part is different from an initial access bandwidth part or a default bandwidth part.

17. The UE of claim 13, wherein the LBT procedures are performed to access an unlicensed spectrum.

18. The UE of claim 13,

wherein the LBT metric is an LBT failure metric, and

wherein the LBT failure metric is incremented for each failure to transmit on an uplink transmission instance that occurs during the period of time.

19. The UE of claim 18, wherein the uplink transmission instance is at least one of:

a physical uplink shared channel (PUSCH) transmission,

a physical uplink control channel (PUCCH) transmission, or

a physical random access channel (PRACH) transmission, or

a sounding reference signal (SRS) transmission.

20. The UE of claim 13, wherein the LBT metric is incremented based on a threshold quantity of uplink transmission failures occurring during a threshold period of time.

21. The UE of claim 13, wherein the LBT metric relates to the secondary cell.

22. The UE of claim 13, wherein the one or more processors are configured to:

start the timer based at least in part on an LBT failure occurring.

23. 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 (UE), cause the one or more processors to perform the method of any one of claims 1 to 12.