CLAIMS

1. A method for wireless communication, comprising:

identifying, by a user equipment (UE), a capability of the UE to process transmissions, wherein the capability is associated with a quantity of symbols for the UE to process the transmissions;

transmitting, to a base station, an indication of the UE's capability to process transmissions;

receiving a first physical channel transmission from the base station in a first transmission time interval (TTI); and

communicating a second physical channel transmission with the base station in a second TTI, wherein the second TTI is determined based on the first TTI and the indicated capability of the UE to process transmissions.

2. The method of claim 1, wherein the first physical channel transmission comprises a physical downlink shared channel (PDSCH) transmission and communicating the second physical channel transmission comprises transmitting an acknowledgement (ACK) message for the PDSCH transmission.

3. The method of claim 2, wherein the indication of the UE's capability to process transmissions indicates that the UE is able to transmit the ACK message with a transmission delay that is smaller than a default transmission delay for transmitting ACK messages.

4. The method of claim 2, wherein the indication of the UE's capability to process transmissions comprises a maximum ACK delay value supported by the UE.

5. The method of claim 1, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises receiving a physical downlink shared channel (PDSCH) transmission.

6. The method of claim 1, wherein the indication of the UE's capability to process transmissions indicates a processing capability of the UE associated with one or more

transport block sizes, a processing capability of the UE associated with a number of transmission layers, a processing capability of the UE associated with one or more transmission modes, or a combination thereof.

7. The method of claim 1, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises transmitting a physical uplink shared channel (PUSCH) transmission.

8. The method of claim 7, wherein the indication of the UE's capability to process transmissions indicates a capability of the UE to encode the PUSCH transmission.

9. The method of claim 1, further comprising:

determining a change in the UE's capability to process transmissions; and

transmitting, to the base station, a second indication of the UE's capability to process transmissions, the second indication reflecting the change in the UE's capability to process transmissions.

10. The method of claim 1, wherein the UE comprises a Narrowband Internet of Things (NB-IoT) device.

11. An apparatus for wireless communication, comprising:

means for identifying, by a user equipment (UE), a capability of the UE to process transmissions, wherein the capability is associated with a quantity of symbols for the UE to process the transmissions;

means for transmitting, to a base station, an indication of the UE's capability to process transmissions;

means for receiving a first physical channel transmission from the base station in a first transmission time interval (TTI); and

means for communicating a second physical channel transmission with the base station in a second TTI, wherein the second TTI is determined based on the first TTI and the indicated capability of the UE to process transmissions.

12. The apparatus of claim 11, wherein the first physical channel transmission

comprises a physical downlink shared channel (PDSCH) transmission and communicating the second physical channel transmission comprises transmitting an acknowledgement (ACK) message for the PDSCH transmission.

13. The apparatus of claim 12, wherein the indication of the UE's capability to process transmissions indicates that the UE is able to transmit the ACK message with a transmission delay that is smaller than a default transmission delay for transmitting ACK messages.

14. The apparatus of claim 12, wherein the indication of the UE's capability to process transmissions comprises a maximum ACK delay value supported by the UE.

15. The apparatus of claim 11, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises receiving a physical downlink shared channel (PDSCH) transmission.

16. The apparatus of claim 11, wherein the indication of the UE's capability to process transmissions indicates a processing capability of the UE associated with one or more transport block sizes, a processing capability of the UE associated with a number of transmission layers, a processing capability of the UE associated with one or more transmission modes, or a combination thereof.

17. The apparatus of claim 11, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises transmitting a physical uplink shared channel (PUSCH) transmission.

18. The apparatus of claim 17, wherein the indication of the UE's capability to process transmissions indicates a capability of the UE to encode the PUSCH transmission.

19. The apparatus of claim 11, further comprising:

means for determining a change in the UE's capability to process transmissions; and

means for transmitting, to the base station, a second indication of the UE's capability to process transmissions, the second indication reflecting the change in the UE's capability to process transmissions.

20. The apparatus of claim 11, wherein the UE comprises a Narrowband Internet of Things (NB-IoT) device or an Machine Type communication (MTC) device.

21. An apparatus for wireless communication, comprising:

a processor;

memory in electronic communication with the processor; and

instructions stored in the memory and operable, when executed by the processor, to cause the apparatus to:

identify, by a user equipment (UE), a capability of the UE to process transmissions, wherein the capability is associated with a quantity of symbols for the UE to process the transmissions;

transmit, to a base station, an indication of the UE's capability to process transmissions;

receive a first physical channel transmission from the base station in a first transmission time interval (TTI); and

communicate a second physical channel transmission with the base station in a second TTI, wherein the second TTI is determined based on the first TTI and the indicated capability of the UE to process transmissions.

22. The apparatus of claim 21, wherein the first physical channel transmission comprises a physical downlink shared channel (PDSCH) transmission and communicating the second physical channel transmission comprises transmitting an acknowledgement (ACK) message for the PDSCH transmission.

23. The apparatus of claim 22, wherein the indication of the UE's capability to process transmissions indicates that the UE is able to transmit the ACK message with a transmission delay that is smaller than a default transmission delay for transmitting ACK messages.

24. The apparatus of claim 22, wherein the indication of the UE’s capability to process transmissions comprises a maximum ACK delay value supported by the UE.

25. The apparatus of claim 21, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises receiving a physical downlink shared channel (PDSCH) transmission.

26. The apparatus of claim 21, wherein the indication of the UE’s capability to process transmissions indicates a processing capability of the UE associated with one or more transport block sizes, a processing capability of the UE associated with a number of transmission layers, a processing capability of the UE associated with one or more transmission modes, or a combination thereof.

27. The apparatus of claim 21, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises transmitting a physical uplink shared channel (PUSCH) transmission.

28. The apparatus of claim 27, wherein the indication of the UE’s capability to process transmissions indicates a capability of the UE to encode the PUSCH transmission.

29. The apparatus of claim 21, wherein the instructions are further executable by the processor to:

determine a change in the UE’s capability to process transmissions; and

transmit, to the base station, a second indication of the UE’s capability to process transmissions, the second indication reflecting the change in the UE’s capability to process transmissions.

30. The apparatus of claim 21, wherein the UE comprises a Narrowband Internet of Things (NB-IoT) device or a Machine Type communication (MTC) device.

31. A non-transitory computer readable medium storing code for wireless communication, the code comprising instructions executable by a processor to:

identify, by a user equipment (UE), a capability of the UE to process transmissions, wherein the capability is associated with a quantity of symbols for the UE to process the transmissions;

transmit, to a base station, an indication of the UE's capability to process transmissions;

receive a first physical channel transmission from the base station in a first transmission time interval (TTI); and

communicate a second physical channel transmission with the base station in a second TTI, wherein the second TTI is determined based on the first TTI and the indicated capability of the UE to process transmissions.

32. The non-transitory computer readable medium of claim 31, wherein the first physical channel transmission comprises a physical downlink shared channel (PDSCH) transmission and communicating the second physical channel transmission comprises transmitting an acknowledgement (ACK) message for the PDSCH transmission.

33. The non-transitory computer readable medium of claim 32, wherein the indication of the UE's capability to process transmissions indicates that the UE is able to transmit the ACK message with a transmission delay that is smaller than a default transmission delay for transmitting ACK messages.

34. The non-transitory computer readable medium of claim 32, wherein the indication of the UE's capability to process transmissions comprises a maximum ACK delay value supported by the UE.

35. The non-transitory computer readable medium of claim 31, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises receiving a physical downlink shared channel (PDSCH) transmission.

36. The non-transitory computer readable medium of claim 31, wherein the indication of the UE's capability to process transmissions indicates a processing capability of the UE associated with one or more transport block sizes, a processing capability of the UE

associated with a number of transmission layers, a processing capability of the UE associated with one or more transmission modes, or a combination thereof.

37. The non-transitory computer readable medium of claim 31, wherein the first physical channel transmission comprises a physical downlink control channel (PDCCH) transmission and communicating the second physical channel transmission comprises transmitting a physical uplink shared channel (PUSCH) transmission.

38. The non-transitory computer readable medium of claim 37, wherein the indication of the UE's capability to process transmissions indicates a capability of the UE to encode the PUSCH transmission.

39. The non-transitory computer readable medium of claim 31, wherein the instructions are further executable by the processor to:

determine a change in the UE's capability to process transmissions; and

transmit, to the base station, a second indication of the UE's capability to process transmissions, the second indication reflecting the change in the UE's capability to process transmissions.

40. The non-transitory computer readable medium of claim 31, wherein the UE comprises a Narrowband Internet of Things (NB-IoT) device or a Machine Type communication (MTC) device.