CLAIMS

1. A method for wireless communication, comprising: transmitting, to a user equipment (UE), a configuration for transmitting feedback for communications received in multiple virtual mini-slots of a slot, wherein the configuration is based on a partitioning of the slot into the multiple virtual mini-slots; transmitting, to the UE, a communication in one or more of the multiple virtual mini-slots; receiving, from the UE, based on the configuration, and in a virtual mini-slot that is based on a last symbol of the communication with respect to the one or more of the multiple virtual mini-slots over which feedback can be transmitted, feedback for the communication; transmitting, to the UE, a second communication in a second one or more of the multiple virtual mini-slots; and receiving, from the UE, based on the configuration, and in a second virtual mini-slot that is based on a second last symbol of the second communication with respect to the second one or more of the multiple virtual mini-slots over which feedback can be transmitted, second feedback for the second communication, wherein the second virtual mini-slot is different from the virtual mini-slot, and the second virtual mini-slot and the virtual mini-slot are within the same slot.

2. The method of claim 1, further comprising transmitting a codebook configuration indicating, for each of multiple communications transmitted in the multiple virtual mini-slots, a number of virtual mini-slots between a communication virtual mini-slot during which the last symbol of each of multiple communications is transmitted and a feedback virtual mini-slot during which the feedback for the each of multiple communications is to be transmitted.

3. The method of claim 2, wherein the feedback is part of multiplexed feedback for two or more communications based on the codebook configuration, and further comprising processing the multiplexed feedback to obtain the feedback for the communication.

4. The method of claim 2, wherein the codebook configuration further indicates a number of the communications for which to multiplex the feedback in the feedback virtual mini-slot.

5. The method of claim 2, wherein the codebook configuration indicates an index of a feedback symbol within the one or more of the multiple virtual mini-slots of the slot.

6. The method of claim 1, further comprising indicating a grouping of semi-persistent scheduling (SPS) communications into multiple groups within the slot for transmitting feedback for each of the multiple groups, wherein the feedback includes combined feedback for one group of the multiple groups in the one or more of the multiple virtual mini-slots of the one group.

7. The method of claim 6, wherein the virtual mini-slot for transmitting the feedback is based at least in part on a number of virtual mini-slots between the one group and a value indicated in an activation downlink control information transmitted for the SPS communications.

8. The method of claim 6, wherein the combined feedback is part of multiplexed feedback including the combined feedback and dynamic combined feedback, wherein the dynamic combined feedback corresponds to multiple groups of dynamically scheduled communications within the one or more of the multiple virtual mini-slots of the one group.

9. The method of claim 8, further comprising processing the multiplexed feedback to determine the combined feedback as appended bits that are appended to the bits of the dynamic combined feedback.

10. The method of claim 9, wherein the combined feedback is bundled into a lesser number of bits than feedback for each of the SPS communications in the one group.

11. The method of claim 1, further comprising processing the feedback based on a number of configured bits for at least a portion of one or more possible resource allocations for each of the multiple virtual mini-slots.

12. The method of claim 11, wherein processing the feedback is further based on a number of transport blocks.

13. The method of claim 1, wherein transmitting the configuration includes transmitting the configuration to the UE in radio resource control (RRC) signaling or downlink control information (DCI).

14. The method of claim 1, further comprising transmitting, in radio resource control (RRC) signaling, information indicating the partitioning of the slot.

15. The method of claim 14, wherein the information includes a bitmap of length 14 indicating the partitioning for each of multiple symbols in the slot.

16. The method of claim 1, further comprising transmitting, in downlink control information (DCI), information indicating the partitioning of the slot.

17. An apparatus for wireless communication, comprising: a transceiver; a memory configured to store instructions; and one or more processors communicatively coupled with the transceiver and the memory, wherein the one or more processors are configured to: transmit, to a user equipment (UE), a configuration for transmitting feedback for communications received in multiple virtual mini-slots of a slot, wherein the configuration is based on a partitioning of the slot into the multiple virtual mini-slots; transmit, to the UE, a communication in one or more of the multiple virtual mini-slots; receive, from the UE, based on the configuration, and in a virtual mini-slot that is based on a last symbol of the communication with respect to the one or more of the multiple virtual mini-slots over which feedback can be transmitted, feedback for the communication; transmit, to the UE, a second communication in a second one or more of the multiple virtual mini-slots; and receive, from the UE, based on the configuration, and in a second virtual mini-slot that is based on a second last symbol of the second communication with respect to the second one or more of the multiple virtual mini-slots over which feedback can be transmitted, second feedback for the second communication, wherein the second virtual mini-slot is different from the virtual mini-slot, and the second virtual mini-slot and the virtual mini-slot are within the same slot.

18. The apparatus of claim 17, wherein the one or more processors are further configured to transmit a codebook configuration indicating, for each of multiple communications transmitted in the multiple virtual mini-slots, a number of virtual mini-slots between a communication virtual mini-slot during which the last symbol of each of multiple

communications is transmitted and a feedback virtual mini-slot during which the feedback for the each of multiple communications is to be transmitted.

19. The apparatus of claim 18, wherein the feedback is part of multiplexed feedback for two or more communications based on the codebook configuration, and wherein the one or more processors are further configured to process the multiplexed feedback to obtain the feedback for the communication.

20. The apparatus of claim 18, wherein the codebook configuration further indicates a number of the communications for which to multiplex the feedback in the feedback virtual mini-slot.

21. The apparatus of claim 18, wherein the codebook configuration indicates an index of a feedback symbol within the one or more of the multiple virtual mini-slots of the slot.

22. The apparatus of claim 17, wherein the one or more processors are further configured to indicate a grouping of semi-persistent scheduling (SPS) communications into multiple groups within the slot for transmitting feedback for each of the multiple groups, wherein the feedback includes combined feedback for one group of the multiple groups in the one or more of the multiple virtual mini-slots of the one group.

23. The apparatus of claim 22, wherein the virtual mini-slot for transmitting the feedback is based at least in part on a number of virtual mini-slots between the one group and a value indicated in an activation downlink control information transmitted for the SPS communications.

24. The apparatus of claim 22, wherein the combined feedback is part of multiplexed feedback including the combined feedback and dynamic combined feedback, wherein the dynamic combined feedback corresponds to multiple groups of dynamically scheduled communications within the one or more of the multiple virtual mini-slots of the one group.

25. The apparatus of claim 24, wherein the one or more processors are further configured to process the multiplexed feedback to determine the combined feedback as appended bits that are appended to the bits of the dynamic combined feedback.

26. The apparatus of claim 25, wherein the combined feedback is bundled into a lesser number of bits than feedback for each of the SPS communications in the one group.

27. The apparatus of claim 17, wherein the one or more processors are further configured to process the feedback based on a number of configured bits for at least a portion of one or more possible resource allocations for each of the multiple virtual mini-slots.

28. The apparatus of claim 27, wherein the one or more processors are configured to process the feedback further based on a number of transport blocks.

29. The apparatus of claim 17, wherein the one or more processors are configured to transmit the configuration to the UE in radio resource control (RRC) signaling or downlink control information (DCI).

30. The apparatus of claim 17, wherein the one or more processors are further configured to transmit, in radio resource control (RRC) signaling, information indicating the partitioning of the slot.

31. The apparatus of claim 30, wherein the information includes a bitmap of length 14 indicating the partitioning for each of multiple symbols in the slot.

32. The apparatus of claim 17, wherein the one or more processors are further configured to transmit, in downlink control information (DCI), information indicating the partitioning of the slot.

33. An apparatus for wireless communication, comprising: means for transmitting, to a user equipment (UE), a configuration for transmitting feedback for communications received in multiple virtual mini-slots of a slot, wherein the configuration is based on a partitioning of the slot into the multiple virtual mini-slots; means for transmitting, to the UE, a communication in one or more of the multiple virtual mini-slots; means for receiving, from the UE, based on the configuration, and in a virtual mini-slot that is based on a last symbol of the communication with respect to the one or more of the multiple virtual mini-slots over which feedback can be transmitted, feedback for the communication; means for transmitting, to the UE, a second communication in a second one or more of the multiple virtual mini-slots; and means for receiving, from the UE, based on the configuration, and in a second virtual mini-slot that is based on a second last symbol of the second communication with respect to the second one or more of the multiple virtual mini-slots over which feedback can be transmitted, second feedback for the second communication, wherein the second virtual mini-slot is different from the virtual mini-slot, and the second virtual mini-slot and the virtual mini-slot are within the same slot.

34. A non-transitory computer-readable medium, comprising code executable by one or more processors for wireless communication, the code comprising code for: transmitting, to a user equipment (UE), a configuration for transmitting feedback for communications received in multiple virtual mini-slots of a slot, wherein the configuration is based on a partitioning of the slot into the multiple virtual mini-slots; transmitting, to the UE, a communication in one or more of the multiple virtual mini-slots; receiving, from the UE, based on the configuration, and in a virtual mini-slot that is based on a last symbol of the communication with respect to the one or more of the multiple virtual mini-slots over which feedback can be transmitted, feedback for the communication; transmitting, to the UE, a second communication in a second one or more of the multiple virtual mini-slots; and receiving, from the UE, based on the configuration, and in a second virtual mini-slot that is based on a second last symbol of the second communication with respect to the second one or more of the multiple virtual mini-slots over which feedback can be transmitted, second feedback for the second communication, wherein the second virtual mini-slot is different from the virtual mini-slot, and the second virtual mini-slot and the virtual mini-slot are within the same slot.