

CLAIMS

1. A method for wireless communication at a user equipment (UE), comprising: identifying a set of channel state information processes scheduled to be reported by the UE; identifying a quantity of channel state information processing units of the UE, wherein each channel state information processing unit of the quantity of channel state information processing units is capable of performing a channel state information process of the set of channel state information processes; receiving a request that the UE is to perform reporting for an additional channel state information process; determining a priority of each of the set of channel state information processes and the additional channel state information process; updating channel state information for a subset of channel state information processes based at least in part on a capability of the UE and the priority of each of the set of channel state information processes and the additional channel state information process, wherein the capability of the UE is based at least in part on the quantity of channel state information processing units, and wherein the subset of channel state information processes is a quantity of channel state information processes that is less than or equal to the quantity of channel state information processing units of the UE; and transmitting updated channel state information feedback corresponding to the subset of channel state information processes.
2. The method of claim 1, wherein transmitting updated channel state information feedback comprises: transmitting channel state information feedback corresponding to the set of channel state information processes and the additional channel state information process, wherein the channel state information feedback comprises updated channel state information feedback for the subset of channel state information processes.
3. The method of claim 2, wherein the channel state information feedback comprises state information for at least one channel state information process.
4. The method of claim 2, wherein the channel state information feedback excludes information for at least one channel state information process.
5. The method of claim 1, further comprising: determining whether the set of channel state information processes and the additional channel state information process exceeds the quantity of channel state information processing units of the UE; and updating channel state information for the subset of channel state information processes based at least in part on determining whether the set of channel state information processes and the additional channel state information process exceeds the quantity of channel state information processing units of the UE.
6. The method of claim 1, further comprising: dropping at least one channel state information process of the set of channel state information processes based at least in part on the at least one channel state information process having a lower priority than the additional channel state information process.
7. The method of claim 6, wherein the subset of channel state information processes includes the additional channel state information process and excludes the at least one channel state information process.

8. The method of claim 6, wherein dropping the at least one channel state information process comprises: refraining from transmitting feedback for the at least one channel state information process.

9. The method of claim 6, wherein dropping the at least one channel state information process comprises: refraining from updating channel state information for the at least one channel state information process.

10. The method of claim 9, wherein refraining from updating channel state information comprises: ceasing an ongoing computation of channel state information for the at least one channel state information process.

11. The method of claim 1, further comprising: dropping the additional channel state information process based at least in part on the additional channel state information process having a lower priority than each channel state information process of the set of channel state information processes.

12. The method of claim 11, wherein the subset of channel state information processes includes each channel state information process of the set of channel state information processes and excludes the additional channel state information process.

13. The method of claim 1, further comprising: receiving an indication of priority for each of the set of channel state information processes or the additional channel state information process; and determining the priority of each of the set of channel state information processes and the additional channel state information process based at least in part on the indication of priority.

14. The method of claim 13, wherein the indication of priority for at least one channel state information process of the set of channel state information processes comprises a downlink control information (DCI) field associated with the at least one channel state information process, a search space associated with the at least one channel state information process, a control resource set associated with the at least one channel state information process, a bandwidth part associated with the at least one channel state information process, a radio network temporary identifier (RNTI) masking parameter associated with the at least one channel state information process, a scrambling sequence for a physical downlink control channel (PDCCH) associated with the at least one channel state information process, a transmission reception point identifier associated with the at least one channel state information process, a block error rate (BLER) associated with the at least one channel state information process, or any combination thereof.

15. The method of claim 13, wherein the indication of priority for the additional channel state information process comprises a downlink control information (DCI) field associated with the additional channel state information process, a search space associated with the additional channel state information process, a control resource set associated with the additional channel state information process, a bandwidth part associated with the additional channel state information process, a radio network temporary identifier (RNTI) masking parameter associated with the additional channel state information process, a scrambling sequence for a physical downlink control channel (PDCCH) associated with the additional channel state information process, a transmission reception point identifier associated with the additional

channel state information process, a block error rate (BLER) associated with the additional channel state information process, or any combination thereof.

16. The method of claim 1, further comprising: determining a service type, a cell index, a channel state information feedback type, a channel state information content type, a transmission reception point identifier (ID), or a channel state information ID associated with at least one channel state information process of the set of channel state information processes or the additional channel state information process; and determining the priority of each of the set of channel state information processes and the additional channel state information process based at least in part on at least one of the determined service type, cell index, channel state information feedback type, channel state information content type, transmission reception point ID, channel state information identifier ID, or any combination thereof.

17. The method of claim 1, further comprising: identifying an expiration time period for reception of the request; determining that the request is received after the identified expiration time period; and dropping the additional channel state information process based at least in part on that the request is received after the identified expiration time period.

18. The method of claim 17, wherein identifying the expiration time period further comprises: determining a computation time period for performing the additional channel state information process.

19. The method of claim 18, wherein the computation time period comprises a time period between a last symbol of a last channel state information reference signal and a first symbol of an uplink transmission carrying the channel state information feedback.

20. The method of claim 18, wherein the computation time period comprises a time period between a last symbol of a last channel state information reference signal and a first symbol of an uplink shared channel transmission or an uplink control channel transmission.

21. The method of claim 1, further comprising: dropping all channel state information processes of the set of channel state information processes scheduled to be reported by the UE based at least in part on receiving the request that the UE is to perform reporting for the additional channel state information process.

22. The method of claim 21, wherein the additional channel state information process is of higher priority than the set of channel state information processes and a quantity of available channel state information processing units of the UE is less than a quantity of channel state information processing units for performing the additional channel state information process.

23. The method of claim 1, further comprising: determining that the priority of each of the set of channel state information processes and the additional channel state information process is the same; and updating the channel state information for the subset of channel state information processes according to respective timings for requests received for the set of channel state information processes and the additional channel state information process.

24. An apparatus for wireless communication at a user equipment (UE), comprising: a processor, memory coupled with the processor; and instructions stored in the memory and executable by the processor to cause the apparatus to: identify a set of channel state

information processes scheduled to be reported by the UE; identify a quantity of channel state information processing units of the UE, wherein each channel state information processing unit of the quantity of channel state information processing units is capable of performing a channel state information process of the set of channel state information processes; receive a request that the UE is to perform reporting for an additional channel state information process; determine a priority of each of the set of channel state information processes and the additional channel state information process; update channel state information for a subset of channel state information processes based at least in part on a capability of the UE and the priority of each of the set of channel state information processes and the additional channel state information process, wherein the capability of the UE is based at least in part on the quantity of channel state information processing units, and wherein the subset of channel state information processes is a quantity of channel state information processes that is less than or equal to the quantity of channel state information processing units of the UE; and transmit updated channel state information feedback corresponding to the subset of channel state information processes.

25. The apparatus of claim 24, wherein the instructions to transmit updated channel state information feedback are executable by the processor to cause the apparatus to: transmit channel state information feedback corresponding to the set of channel state information processes and the additional channel state information process, wherein the channel state information feedback comprises updated channel state information feedback for the subset of channel state information processes.

26. The apparatus of claim 25, wherein the channel state information feedback comprises stale information for at least one channel state information process.

27. The apparatus of claim 25, wherein: the channel state information feedback excludes information for at least one channel state information process.

28. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: determine whether the set of channel state information processes and the additional channel state information process exceeds the quantity of channel state information processing units of the UE; and update channel state information for the subset of channel state information processes based at least in part on determining whether the set of channel state information processes and the additional channel state information process exceeds the quantity of channel state information processing units of the UE.

29. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: drop at least one channel state information process of the set of channel state information processes based at least in part on the at least one channel state information process having a lower priority than the additional channel state information process.

30. The apparatus of claim 29, wherein the subset of channel state information processes includes the additional channel state information process and excludes the at least one channel state information process.

31. The apparatus of claim 29, wherein the instructions to drop the at least one channel state information process are executable by the processor to cause the apparatus to: refrain from transmitting feedback for the at least one channel state information process.

32. The apparatus of claim 29, wherein the instructions to drop the at least one channel state information process are executable by the processor to cause the apparatus to: refrain from updating channel state information for the at least one channel state information process.

33. The apparatus of claim 32, wherein the instructions to refrain from updating channel state information are executable by the processor to cause the apparatus to: cease an ongoing computation of channel state information for the at least one channel state information process.

34. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: drop the additional channel state information process based at least in part on the additional channel state information process having a lower priority than each channel state information process of the set of channel state information processes.

35. The apparatus of claim 34, wherein the subset of channel state information processes includes each channel state information process of the set of channel state information processes and excludes the additional channel state information process.

36. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: receive an indication of priority for each of the set of channel state information processes or the additional channel state information process; and determine the priority of each of the set of channel state information processes and the additional channel state information process based at least in part on the indication of priority.

37. The apparatus of claim 36, wherein the indication of priority for at least one channel state information process of the set of channel state information processes comprises a downlink control information (DCI) field associated with the at least one channel state information process, a search space associated with the at least one channel state information process, a control resource set associated with the at least one channel state information process, a bandwidth part associated with the at least one channel state information process, a radio network temporary identifier (RNTI) masking parameter associated with the at least one channel state information process, a scrambling sequence for a physical downlink control channel (PDCCH) associated with the at least one channel state information process, a transmission reception point identifier associated with the at least one channel state information process, a block error rate (BLER) associated with the at least one channel state information process, or any combination thereof.

38. The apparatus of claim 36, wherein the indication of priority for the additional channel state information process comprises a downlink control information (DCI) field associated with the additional channel state information process, a search space associated with the additional channel state information process, a control resource set associated with the additional channel state information process, a bandwidth part associated with the additional channel state information process, a radio network temporary identifier (RNTI) masking parameter associated with the additional channel state information process, a scrambling

sequence for a physical downlink control channel (PDCCH) associated with the additional channel state information process, a transmission reception point identifier associated with the additional channel state information process, a block error rate (BLER) associated with the additional channel state information process, or any combination thereof.

39. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: determine a service type, a cell index, a channel state information feedback type, a channel state information content type, a transmission reception point identifier (ID), or a channel state information ID associated with at least one channel state information process of the set of channel state information processes or the additional channel state information process; and determine the priority of each of the set of channel state information processes and the additional channel state information process based at least in part on at least one of the determined service type, cell index, channel state information feedback type, channel state information content type, transmission reception point ID, channel state information identifier ID, or any combination thereof.

40. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: identify an expiration time period for reception of the request; determine that the request is received after the identified expiration time period; and drop the additional channel state information process based at least in part on that the request is received after the identified expiration time period.

41. The apparatus of claim 40, wherein the instructions to identify the expiration time period further are executable by the processor to cause the apparatus to: determine a computation time period for performing the additional channel state information process.

42. The apparatus of claim 41, wherein the computation time period comprises a time period between a last symbol of a last channel state information reference signal and a first symbol of an uplink transmission carrying the channel state information feedback.

43. The apparatus of claim 41, wherein the computation time period comprises a time period between a last symbol of a last channel state information reference signal and a first symbol of an uplink shared channel transmission or an uplink control channel transmission.

44. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: drop all channel state information processes of the set of channel state information processes scheduled to be reported by the UE based at least in part on the received request that the UE is to perform reporting for the additional channel state information process.

45. The apparatus of claim 24, wherein the additional channel state information process is of higher priority than the set of channel state information processes and a quantity of available channel state information processing units of the UE is less than a quantity of channel state information processing units for performing the additional channel state information process.

46. The apparatus of claim 24, wherein the instructions are further executable by the processor to cause the apparatus to: determine that the priority of each of the set of channel state information processes and the additional channel state information process is the same; and update the channel state information for the subset of channel state information processes

according to respective timings for requests received for the set of channel state information processes and the additional channel state information process.

47. An apparatus for wireless communication at a user equipment (UE), comprising: means for identifying a set of channel state information processes scheduled to be reported by the UE; means for identifying a quantity of channel state information processing units of the UE, wherein each channel state information processing unit of the quantity of channel state information processing units is capable of performing a channel state information process of the set of channel state information processes; means for receiving a request that the UE is to perform reporting for an additional channel state information process; means for determining a priority of each of the set of channel state information processes and the additional channel state information process; means for updating channel state information for a subset of channel state information processes based at least in part on a capability of the UE and the priority of each of the set of channel state information processes and the additional channel state information process, wherein the capability of the UE is based at least in part on the quantity of channel state information processing units, and wherein the subset of channel state information processes is a quantity of channel state information processes that is less than or equal to the quantity of channel state information processing units of the UE; and means for transmitting updated channel state information feedback corresponding to the subset of channel state information processes.

48. A non-transitory computer-readable medium storing code for wireless communication at a user equipment (UE), the code comprising instructions executable by a processor to: identify a set of channel state information processes scheduled to be reported by the UE; identify a quantity of channel state information processing units of the UE, wherein each channel state information processing unit of the quantity of channel state information processing units is capable of performing a channel state information process of the set of channel state information processes; receive a request that the UE is to perform reporting for an additional channel state information process; determine a priority of each of the set of channel state information processes and the additional channel state information process; update channel state information for a subset of channel state information processes based at least in part on a capability of the UE and the priority of each of the set of channel state information processes and the additional channel state information process, wherein the capability of the UE is based at least in part on the quantity of channel state information processing units, and wherein the subset of channel state information processes is a quantity of channel state information processes that is less than or equal to the quantity of channel state information processing units of the UE; and transmit updated channel state information feedback corresponding to the subset of channel state information processes.