

CLAIMS

1. A method of wireless communication performed by a user equipment (UE), comprising: identifying a resource block set that includes a first portion and a second portion, wherein the resource block set spans a portion of a system bandwidth in a shortened transmission time interval (sTTI), wherein the sTTI includes three symbols, wherein the three symbols include a first symbol, a second symbol, and a third symbol, wherein each of the first portion and the second portion occupies the first symbol, the second symbol, and the third symbol, wherein the first portion includes downlink control information in the first symbol and the second symbol, wherein the first portion includes a first portion of reallocated data in the first symbol, the second symbol, and the third symbol, wherein the second portion includes uplink control information in the first symbol and the second symbol, wherein the second portion includes a second portion of the reallocated data only in the third symbol, wherein the third symbol is occupied only by the reallocated data, wherein the first symbol occurs before the second symbol, wherein the second symbol occurs before the third symbol, and wherein one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol; and obtaining content in the sTTI.
2. The method of claim 1, wherein the first portion and the second portion are frequency division multiplexed.
3. The method of claim 1, wherein the portion of the reallocated data is located between the downlink control information and the uplink control information in the first portion and the second portion.
4. The method of claim 1, wherein one or more resources to be used for the reallocated data are signaled in one or more of the downlink control information or the uplink control information.
5. The method of claim 1, wherein one or more of the downlink control information or the uplink control information is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme or a cell-specific reference signal (CRS) based reference signal demodulation scheme.
6. The method of claim 1, wherein the reallocated data is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme.
7. The method of claim 1, wherein the one or more signals are one or more demodulation reference signal (DMRS) signals.
8. The method of claim 1, wherein the downlink control information is for the UE, and wherein the uplink control information is for a different UE.
9. The method of claim 1, wherein the one or more signals from the first symbol and the second

symbol are used to demodulate information in the third symbol according to a demodulation rule.

10. The method of claim 9, wherein the demodulation rule is indicated in a resource management block configuration, and wherein the resource management block configuration is indicated to the UE during a radio resource control (RRC) connection configuration.

11. The method of claim 1, wherein the one or more signals are one or more cell-specific reference signal (CRS) signals.

12. An apparatus for wireless communication, comprising: a memory; and at least one processor coupled to the memory and configured to: identify a resource block set that includes a first portion and a second portion, wherein the resource block set spans a portion of a system bandwidth in a shortened transmission time interval (sTTI), wherein the sTTI includes three symbols, wherein the three symbols include a first symbol, a second symbol, and a third symbol, wherein each of the first portion and the second portion occupies the first symbol, the second symbol, and the third symbol, wherein the first portion includes downlink control information in the first symbol and the second symbol, wherein the first portion includes a first portion of reallocated data in the first symbol, the second symbol, and the third symbol, wherein the second portion includes uplink control information in the first symbol and the second symbol, wherein the second portion includes a second portion of the reallocated data only in the third symbol, wherein the third symbol is occupied only by the reallocated data, wherein the first symbol occurs before the second symbol, wherein the second symbol occurs before the third symbol, and wherein one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol; and obtain content in the sTTI.

13. The apparatus of claim 12, wherein the first portion and the second portion are frequency division multiplexed.

14. The apparatus of claim 12, wherein the portion of the reallocated data is located between the downlink control information and the uplink control information in the first portion and the second portion.

15. The apparatus of claim 12, wherein one or more resources to be used for the reallocated data are signaled in one or more of the downlink control information or the uplink control information.

16. The apparatus of claim 12, wherein one or more of the downlink control information or the uplink control information is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme or a cell-specific reference signal (CRS) based reference signal demodulation scheme.

17. The apparatus of claim 12, wherein the reallocated data is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme.

18. The apparatus of claim 12, wherein the one or more signals are one or more demodulation reference signal (DMRS) signals.
19. The apparatus of claim 12, wherein the downlink control information is for the apparatus, and wherein the uplink control information is for a different apparatus.
20. The apparatus of claim 12, wherein the one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol according to a demodulation rule.
21. The apparatus of claim 20, wherein the demodulation rule is indicated in a resource management block configuration, and wherein the resource management block configuration is indicated to the apparatus during a radio resource control (RRC) connection configuration.
22. The apparatus of claim 12, wherein the one or more signals are one or more cell-specific reference signal (CRS) signals.
23. A non-transitory computer-readable medium storing computer executable code for wireless communication, comprising code for: identifying a resource block set that includes a first portion and a second portion, wherein the resource block set spans a portion of a system bandwidth in a shortened transmission time interval (sTTI), wherein the sTTI includes three symbols, wherein the three symbols include a first symbol, a second symbol, and a third symbol, wherein each of the first portion and the second portion occupies the first symbol, the second symbol, and the third symbol, wherein the first portion includes downlink control information in the first symbol and the second symbol, wherein the first portion includes a first portion of reallocated data in the first symbol, the second symbol, and the third symbol, wherein the second portion includes uplink control information in the first symbol and the second symbol, wherein the second portion includes a second portion of the reallocated data only in the third symbol, wherein the third symbol is occupied only by the reallocated data, wherein the first symbol occurs before the second symbol, wherein the second symbol occurs before the third symbol, and wherein one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol; and obtaining content in the sTTI.
24. The non-transitory computer-readable medium of claim 23, wherein the first portion and the second portion are frequency division multiplexed, and wherein the portion of the reallocated data is located between the downlink control information and the uplink control information in the first portion and the second portion.
25. The non-transitory computer-readable medium of claim 23, wherein one or more of the downlink control information or the uplink control information is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme or a cell-specific reference signal (CRS) based reference signal demodulation scheme.
26. The non-transitory computer-readable medium of claim 23, wherein the one or more signals

are one or more demodulation reference signal (DMRS) signals.

27. The non-transitory computer-readable medium of claim 23, wherein the one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol according to a demodulation rule indicated in a resource management block configuration, and wherein the resource management block configuration is indicated during a radio resource control (RRC) connection configuration.

28. An apparatus for wireless communication, comprising: means for identifying a resource block set that includes a first portion and a second portion, wherein the resource block set spans a portion of a system bandwidth in a shortened transmission time interval (sTTI), wherein the sTTI includes three symbols, wherein the three symbols include a first symbol, a second symbol, and a third symbol, wherein each of the first portion and the second portion occupies the first symbol, the second symbol, and the third symbol, wherein the first portion includes downlink control information in the first symbol and the second symbol, wherein the first portion includes a first portion of reallocated data in the first symbol, the second symbol, and the third symbol, wherein the second portion includes uplink control information in the first symbol and the second symbol, wherein the second portion includes a second portion of the reallocated data only in the third symbol, wherein the third symbol is occupied only by the reallocated data, wherein the first symbol occurs before the second symbol, wherein the second symbol occurs before the third symbol, and wherein one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol; and means for obtaining content in the sTTI.

29. The apparatus of claim 28, wherein the portion of the reallocated data is located between the downlink control information and the uplink control information in the first portion and the second portion.

30. The apparatus of claim 28, wherein one or more of the downlink control information or the uplink control information is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme or a cell-specific reference signal (CRS) based reference signal demodulation scheme, and wherein the reallocated data is configured with a demodulation reference signal (DMRS) based reference signal demodulation scheme.

31. The apparatus of claim 28, wherein the one or more signals are one or more demodulation reference signal (DMRS) signals.

32. The apparatus of claim 28, wherein the one or more signals from the first symbol and the second symbol are used to demodulate information in the third symbol according to a demodulation rule indicated in a resource management block configuration, and wherein the resource management block configuration is indicated during a radio resource control (RRC) connection configuration.