

## CLAIMS

1. A method of wireless communication using a plurality of downlink control information (DCI) formats, the method comprising: determining a set of DCI formats of the plurality of DCI formats for concurrent use during wireless communications, wherein DCI formats of the plurality of DCI formats are configurable to be of different sizes; and size matching at least two DCI formats of the set of DCI formats that are configurable to be of different sizes to result in the set of DCI formats meeting one or more size restrictions with respect to a total number of DCI format sizes for concurrent use, wherein the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use restrict a number of DCI format sizes for the set of DCI formats for concurrent use to both a first number of DCI sizes parameter and a second number of DCI sizes parameter.

2. The method of claim 1, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot, and wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot.

3. The method of claim 2, wherein the first number of DCI sizes parameter is less than a number of DCI formats of the plurality of DCI formats.

4. The method of claim 3, wherein the first number of DCI sizes parameter is greater than the second number of DCI sizes parameter.

5. The method of claim 4, wherein the first number of DCI sizes parameter is 4 and the second number of DCI sizes parameter is 3.

6. The method of claim 1, wherein the size matching is performed dynamically during wireless communications.

7. The method of claim 6, wherein performing the size matching dynamically comprises: dynamically size matching the at least two DCI formats of the set of DCI formats on a wireless communication slot by wireless communication slot basis.

8. The method of claim 6, wherein performing the size matching dynamically comprises: dynamically size matching the at least two DCI formats of the set of DCI formats

based on a monitoring periodicity or monitoring occasion of a search space in which at least one DCI format of the set of DCI formats is searched.

9. The method of claim 8, wherein the dynamically size matching the at least two DCI formats of the set of DCI formats is based on a wireless communication slot in a monitoring period having a greatest number of DCI format sizes with respect to at least one of the first number of DCI sizes parameter and the second number of DCI sizes parameter, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot, and wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot.

10. The method of claim 6, wherein performing the size matching dynamically comprises: dynamically size matching the at least two DCI formats of the set of DCI formats dynamically with respect to carrier bandwidth part (BWP) switching.

11. The method of claim 6, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise an uplink scheduling DCI format and a downlink scheduling DCI format, the method further comprising: using radio resource control (RRC) configuration for the dynamic size matching.

12. The method of claim 6, further comprising: determining that the set of DCI formats comprises a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot greater than the second number of DCI sizes parameter, wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot; and dynamically size matching the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

13. The method of claim 6, further comprising: determining that the set of DCI formats comprises a total number of DCI format sizes per wireless communication slot greater than the first number of DCI sizes parameter, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot; and dynamically size matching the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

14. The method of claim 6, further comprising: padding information of a first DCI format of the at least two DCI formats for which size matching is dynamically provided with respect to a second DCI format of the at least two DCI formats.

15. The method of claim 6, further comprising: truncating information of a first DCI format of the at least two DCI formats for which size matching is dynamically provided with respect to a second DCI format of the at least two DCI formats.

16. The method of claim 6, wherein the size matching comprises: size matching a resource allocation (RA) size of a first DCI format of the at least two DCI formats to a RA size of a second DCI format of the at least two DCI formats; and size matching a total DCI payload size of the first DCI format to a total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

17. The method of claim 6, wherein the size matching comprises: using a resource allocation (RA) size of an initial carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the initial BWP, size matching the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

18. The method of claim 6, wherein the size matching comprises: using a resource allocation (RA) size of an active carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the active BWP, size matching the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

19. The method of claim 6, wherein the size matching comprises: using a downlink scheduling DCI format resource allocation (RA) size of an active downlink carrier bandwidth part (BWP) in a total DCI payload size of a downlink scheduling DCI format of the at least two DCI formats; using an uplink scheduling DCI format RA size of an active uplink BWP in

a total DCI payload size of an uplink scheduling DCI format of the at least two DCI formats; and if the total DCI payload size of the downlink scheduling DCI format and of the uplink scheduling DCI format do not match, size matching the total DCI payload size of one of the downlink scheduling DCI format and the uplink scheduling DCI format to the other one of the uplink scheduling DCI format and the downlink scheduling DCI format by padding or truncating information of the DCI payload of one of the uplink scheduling DCI format or the downlink scheduling DCI format.

20. The method of claim 6, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to an uplink and a second DCI format used with respect to a supplemental uplink corresponding to the uplink, the method comprising: size matching one of the first DCI format and the second DCI format to the other one of the second DCI format and the first DCI format based on a configured DCI size for the other one of the second DCI format and the first DCI format.

21. The method of claim 6, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink and a second DCI format used with respect to a supplemental uplink corresponding to an uplink associated with the downlink, the method comprising: size matching the second DCI format to the first DCI format based on a configured DCI size for the first DCI format.

22. The method of claim 6, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink, a second DCI format used with respect to an uplink corresponding to the downlink, and a third DCI format used with respect to a supplemental uplink corresponding to the uplink, the method comprising: size matching two of the first DCI format, the second DCI format, and the third DCI format to the remaining one of the third DCI format, the second DCI format, and the first DCI format based on a configured DCI size for the remaining one of the third DCI format, the second DCI format, and the first DCI format.

23. The method of claim 6, wherein the set of DCI formats includes DCI formats 0-0 and 1-0 in common search space (CSS) and DCI formats 0-0 and 1-0 in UE-specific search space (USS), and wherein if a DCI size restriction of the one or more size restrictions with

respect to the total number of DCI format sizes for concurrent use is not met with respect to the set of DCI formats then the size matching at least two DCI formats comprises size matching DCI formats 0-0 and 1-0 in USS to DCI formats 0-0 and 1-0 in CSS.

24. The method of claim 6, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the size matching at least two DCI formats comprises: size matching a resource allocation (RA) size of an initial uplink bandwidth part (BWP) to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 using the RA size of the initial uplink BWP then size matching the total DCI payload size of the DCI format 0-0 to the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0.

25. The method of claim 6, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the size matching at least two DCI formats comprises: size matching a downlink resource allocation (RA) size with respect to an active downlink bandwidth part (BWP) and size matching an uplink RA size with respect to an active uplink BWP to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 then size matching the total DCI payload size of the DCI format 0-0 and the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0 or the DCI format 1-0.

26. The method of claim 6, wherein the size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect to a primary link and size matching a DCI format size for a DCI format used with respect to a supplemental link based on a maximum configured DCI size of a configured DCI size for the primary link and a configured DCI size for the supplemental link.

27. The method of claim 6, wherein the size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect a supplemental link to a configured DCI size for a DCI format used with respect to a corresponding primary link.

28. The method of claim 6, wherein the size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect to a primary

downlink, a DCI format size for a DCI format used with respect to a primary uplink, and a DCI format size for a DCI format used with respect to a supplemental link based upon an active bandwidth part (BWP).

29. The method of claim 1, wherein an identifier used for encoding DCI payload comprises a cell radio network temporary identifier (C-RNTI).

30. An apparatus configured for wireless communication using a plurality of downlink control information (DCI) formats, the apparatus comprising: means for determining a set of DCI formats of the plurality of DCI formats for concurrent use during wireless communications, wherein DCI formats of the plurality of DCI formats are configurable to be of different sizes; and means for size matching at least two DCI formats of the set of DCI formats that are configurable to be of different sizes to result in the set of DCI formats meeting one or more size restrictions with respect to a total number of DCI format sizes for concurrent use, wherein the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use restrict a number of DCI format sizes for the set of DCI formats for concurrent use to both a first number of DCI sizes parameter and a second number of DCI sizes parameter.

31. The apparatus of claim 30, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot, and wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot.

32. The apparatus of claim 31, wherein the first number of DCI sizes parameter is less than a number DCI formats of the plurality of DCI formats.

33. The apparatus of claim 32, wherein the first number of DCI sizes parameter is greater than the second number of DCI sizes parameter.

34. The apparatus of claim 30, wherein the size matching is performed dynamically during the wireless communications.

35. The apparatus of claim 34, further comprising: means for dynamically size matching the at least two DCI formats of the set of DCI formats based on a monitoring

periodicity or monitoring occasion of a search space in which at least one DCI format of the set of DCI formats is searched.

36. The apparatus of claim 34, further comprising: means for dynamically size matching the at least two DCI formats of the set of DCI formats dynamically with respect to carrier bandwidth part (BWP) switching.

37. The apparatus of claim 34, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise an uplink scheduling DCI format and a downlink scheduling DCI format, the apparatus further comprising: means for using radio resource control (RRC) configuration for the dynamic size matching.

38. The apparatus of claim 34, further comprising: means for determining that the set of DCI formats comprises a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot greater than the second number of DCI sizes parameter, wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot; and means for dynamically size matching the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

39. The apparatus of claim 34, further comprising: means for determining that the set of DCI formats comprises a total number of DCI format sizes per wireless communication slot greater than the first number of DCI sizes parameter, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot; and means for dynamically size matching the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

40. The apparatus of claim 34, wherein the means for size matching comprises: means for size matching a resource allocation (RA) size of a first DCI format of the at least two DCI formats to a RA size of a second DCI format of the at least two DCI formats; and means for size matching a total DCI payload size of the first DCI format to a total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

41. The apparatus of claim 34, wherein the means for size matching comprises: means for using a resource allocation (RA) size of an initial carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and means for size matching the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the initial BWP.

42. The apparatus of claim 34, wherein the means for size matching comprises: means for using a resource allocation (RA) size of an active carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and means for size matching the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the active BWP.

43. The apparatus of claim 34, wherein the means for size matching comprises: means for using a downlink scheduling DCI format resource allocation (RA) size of an active downlink carrier bandwidth part (BWP) in a total DCI payload size of a downlink scheduling DCI format of the at least two DCI formats; means for using an uplink scheduling DCI format RA size of an active uplink BWP in a total DCI payload size of an uplink scheduling DCI format of the at least two DCI formats; and means for size matching the total DCI payload size of one of the downlink scheduling DCI format and the uplink scheduling DCI format to the other one of the uplink scheduling DCI format and the downlink scheduling DCI format by padding or truncating information of the DCI payload of one of the uplink scheduling DCI format or the downlink scheduling DCI format if the total DCI payload size of the downlink scheduling DCI format and the total DCI payload size of the uplink scheduling DCI format do not match.

44. The apparatus of claim 34, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with

respect to an uplink and a second DCI format used with respect to a supplemental uplink corresponding to the uplink, the apparatus comprising: means for size matching one of the first DCI format and the second DCI format to the other one of the second DCI format and the first DCI format based on a configured DCI size for the other one of the second DCI format and the first DCI format.

45. The apparatus of claim 34, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink and a second DCI format used with respect to a supplemental uplink corresponding to an uplink associated with the downlink, the apparatus comprising: means for size matching the second DCI format to the first DCI format based on a configured DCI size for the first DCI format.

46. The apparatus of claim 34, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink, a second DCI format used with respect to an uplink corresponding to the downlink, and a third DCI format used with respect to a supplemental uplink corresponding to the uplink, the apparatus comprising: means for size matching two of the first DCI format, the second DCI format, and the third DCI format to the remaining one of the third DCI format, the second DCI format, and the first DCI format based on a configured DCI size for the remaining one of the third DCI format, the second DCI format, and the first DCI format.

47. The apparatus of claim 34, wherein the set of DCI formats includes DCI formats 0-0 and 1-0 in common search space (CSS) and DCI formats 0-0 and 1-0 in UE-specific search space (USS), and wherein if a DCI size restriction of the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use is not met with respect to the set of DCI formats then the means for size matching at least two DCI formats size matches DCI formats 0-0 and 1-0 in USS to DCI formats 0-0 and 1-0 in CSS.

48. The apparatus of claim 34, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the means for size matching at least two DCI formats size matches a resource allocation (RA) size of an initial uplink bandwidth part (BWP) to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 using the RA size of the initial uplink BWP

then size matches the total DCI payload size of the DCI format 0-0 to the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0.

49. The apparatus of claim 34, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the means for size matching at least two DCI formats size matches a downlink resource allocation (RA) size with respect to an active downlink bandwidth part (BWP) and size matches an uplink RA size with respect to an active uplink BWP to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 then size matches the total DCI payload size of the DCI format 0-0 and the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0 or the DCI format 1-0.

50. The apparatus of claim 34, wherein the means for size matching at least two DCI formats size matches a DCI format size for a DCI format used with respect to a primary link and size matches a DCI format size for a DCI format used with respect to a supplemental link based on a maximum configured DCI size of a configured DCI size for the primary link and a configured DCI size for the supplemental link.

51. The apparatus of claim 34, wherein the means for size matching at least two DCI formats size matches a DCI format size for a DCI format used with respect a supplemental link to a configured DCI size for a DCI format used with respect to a corresponding primary link.

52. The apparatus of claim 34, wherein the means for size matching at least two DCI formats size matches a DCI format size for a DCI format used with respect to a primary downlink, a DCI format size for a DCI format used with respect to a primary uplink, and a DCI format size for a DCI format used with respect to a supplemental link based upon an active bandwidth part (BWP).

53. The apparatus of claim 30, wherein an identifier used for encoding DCI payload comprises a cell radio network temporary identifier (C-RNTI).

54. A non-transitory computer-readable medium having program code recorded thereon for wireless communication using a plurality of downlink control information (DCI) formats, the program code comprising: program code executable by a computer for causing

the computer to determine a set of DCI formats of the plurality of DCI formats for concurrent use during wireless communications, wherein DCI formats of the plurality of DCI formats are configurable to be of different sizes; and size match at least two DCI formats of the set of DCI formats that are configurable to be of different sizes to result in the set of DCI formats meeting one or more size restrictions with respect to a total number of DCI format sizes for concurrent use, wherein the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use restrict a number of DCI format sizes for the set of DCI formats for concurrent use to both a first number of DCI sizes parameter and a second number of DCI sizes parameter.

55. The non-transitory computer-readable medium of claim 54, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot, and wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot.

56. The non-transitory computer-readable medium of claim 55, wherein the first number of DCI sizes parameter is less than a number DCI formats of the plurality of DCI formats.

57. The non-transitory computer-readable medium of claim 56, wherein the first number of DCI sizes parameter is greater than the second number of DCI sizes parameter.

58. The non-transitory computer-readable medium of claim 54, wherein the size match is performed dynamically during wireless communications.

59. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to dynamically size match the at least two DCI formats of the set of DCI formats based on a monitoring periodicity or monitoring occasion of a search space in which at least one DCI format of the set of DCI formats is searched.

60. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to dynamically size match the at least two DCI formats of the set of DCI formats dynamically with respect to carrier bandwidth part (BWP) switching.

61. The non-transitory computer-readable medium of claim 58, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed

comprise an uplink scheduling DCI format and a downlink scheduling DCI format, wherein the program code further causes the computer to use radio resource control (RRC) configuration for the dynamic size matching.

62. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to determine that the set of DCI formats comprises a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot greater than the second number of DCI sizes parameter, wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot; and dynamically size match the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

63. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to determine that the set of DCI formats comprises a total number of DCI format sizes per wireless communication slot greater than the first number of DCI sizes parameter, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot; and dynamically size match the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

64. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to size match a resource allocation (RA) size of a first DCI format of the at least two DCI formats to a RA size of a second DCI format of the at least two DCI formats; and size match a total DCI payload size of the first DCI format to a total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

65. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to use a resource allocation (RA) size of an initial carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and size match the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format if the total DCI payload size of the first DCI format

does not match the total DCI payload size of the second DCI format using the RA size of the initial BWP.

66. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to use a resource allocation (RA) size of an active carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and size match the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the active BWP.

67. The non-transitory computer-readable medium of claim 58, wherein the program code causes the computer to use a downlink scheduling DCI format resource allocation (RA) size of an active downlink carrier bandwidth part (BWP) in a total DCI payload size of a downlink scheduling DCI format of the at least two DCI formats; use an uplink scheduling DCI format RA size of an active uplink BWP in a total DCI payload size of an uplink scheduling DCI format of the at least two DCI formats; and size match the total DCI payload size of one of the downlink scheduling DCI format and the uplink scheduling DCI format to the other one of the uplink scheduling DCI format and the downlink scheduling DCI format by padding or truncating information of the DCI payload of one of the uplink scheduling DCI format or the downlink scheduling DCI format if the total DCI payload size of the downlink scheduling DCI format and the total DCI payload size of the uplink scheduling DCI format do not match.

68. The non-transitory computer-readable medium of claim 58, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to an uplink and a second DCI format used with respect to a supplemental uplink corresponding to the uplink, wherein the program code causes the computer to size match one of the first DCI format and the second DCI format to the other one of the second DCI format and the first DCI format based on a configured DCI size for the other one of the second DCI format and the first DCI format.

69. The non-transitory computer-readable medium of claim 58, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed

comprise a first DCI format used with respect to a downlink and a second DCI format used with respect to a supplemental uplink corresponding to an uplink associated with the downlink, wherein the program code causes the computer to size match the second DCI format to the first DCI format based on a configured DCI size for the first DCI format.

70. The non-transitory computer-readable medium of claim 58, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink, a second DCI format used with respect to an uplink corresponding to the downlink, and a third DCI format used with respect to a supplemental uplink corresponding to the uplink, wherein the program code causes the computer to size match two of the first DCI format, the second DCI format, and the third DCI format to the remaining one of the third DCI format, the second DCI format, and the first DCI format based on a configured DCI size for the remaining one of the third DCI format, the second DCI format, and the first DCI format.

71. The non-transitory computer-readable medium of claim 58, wherein the set of DCI formats includes DCI formats 0-0 and 1-0 in common search space (CSS) and DCI formats 0-0 and 1-0 in UE-specific search space (USS), and wherein if a DCI size restriction of the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use is not met with respect to the set of DCI formats then size matching at least two DCI formats comprises size matching DCI formats 0-0 and 1-0 in USS to DCI formats 0-0 and 1-0 in CSS.

72. The non-transitory computer-readable medium of claim 58, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein size matching at least two DCI formats comprises: size matching a resource allocation (RA) size of an initial uplink bandwidth part (BWP) to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 using the RA size of the initial uplink BWP then size matching the total DCI payload size of the DCI format 0-0 to the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0.

73. The non-transitory computer-readable medium of claim 58, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein size matching at least two DCI formats comprises: size matching a downlink resource allocation (RA) size with respect to an

active downlink bandwidth part (BWP) and size matching an uplink RA size with respect to an active uplink BWP to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 then size matching the total DCI payload size of the DCI format 0-0 and the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0 or the DCI format 1-0.

74. The non-transitory computer-readable medium of claim 58, wherein size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect to a primary link and size matching a DCI format size for a DCI format used with respect to a supplemental link based on a maximum configured DCI size of a configured DCI size for the primary link and a configured DCI size for the supplemental link.

75. The non-transitory computer-readable medium of claim 58, wherein size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect a supplemental link to a configured DCI size for a DCI format used with respect to a corresponding primary link.

76. The non-transitory computer-readable medium of claim 58, wherein size matching at least two DCI formats comprises size matching a DCI format size for a DCI format used with respect to a primary downlink, a DCI format size for a DCI format used with respect to a primary uplink, and a DCI format size for a DCI format used with respect to a supplemental link based upon an active bandwidth part (BWP).

77. The non-transitory computer-readable medium of claim 54, wherein an identifier used for encoding DCI payload comprises a cell radio network temporary identifier (C-RNTI).

78. An apparatus configured for wireless communication using a plurality of downlink control information (DCI) formats, the apparatus comprising: at least one processor; and a memory coupled to the at least one processor, wherein the at least one processor is configured: to determine a set of DCI formats of the plurality of DCI formats for concurrent use during wireless communications, wherein DCI formats of the plurality of DCI formats are configurable to be of different sizes; and to size match at least two DCI formats of the set of DCI formats that are configurable to be of different sizes to result in the set of

DCI formats meeting one or more size restrictions with respect to a total number of DCI format sizes for concurrent use, wherein the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use restrict a number of DCI format sizes for the set of DCI formats for concurrent use to both a first number of DCI sizes parameter and a second number of DCI sizes parameter.

79. The apparatus of claim 78, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot, and wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot.

80. The apparatus of claim 79, wherein the first number of DCI sizes parameter is less than a number DCI formats of the plurality of DCI formats.

81. The apparatus of claim 80, wherein the first number of DCI sizes parameter is greater than the second number of DCI sizes parameter.

82. The apparatus of claim 78, wherein the size match is performed dynamically during the wireless communications.

83. The apparatus of claim 82, wherein the at least one processor is configured: to dynamically size match the at least two DCI formats of the set of DCI formats based on a monitoring periodicity or monitoring occasion of a search space in which at least one DCI format of the set of DCI formats is searched.

84. The apparatus of claim 82, wherein the at least one processor is configured: to dynamically size match the at least two DCI formats of the set of DCI formats dynamically with respect to carrier bandwidth part (BWP) switching.

85. The apparatus of claim 82, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise an uplink scheduling DCI format and a downlink scheduling DCI format, wherein the at least one processor is configured: to use radio resource control (RRC) configuration for the dynamic size matching.

86. The apparatus of claim 82, wherein the at least one processor is configured: to determine that the set of DCI formats comprises a total number of DCI format sizes for DCI

formats used to carry DCI payload encoded using an identifier per wireless communication slot greater than the second number of DCI sizes parameter, wherein the second number of DCI sizes parameter is based on a total number of DCI format sizes for DCI formats used to carry DCI payload encoded using an identifier per wireless communication slot; and dynamically size match the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

87. The apparatus of claim 82, wherein the at least one processor is configured: to determine that the set of DCI formats comprises a total number of DCI format sizes per wireless communication slot greater than first number of DCI sizes parameter, wherein the first number of DCI sizes parameter is based on a total number of DCI format sizes per wireless communication slot; and to dynamically size match the at least two DCI formats of the set of DCI formats based on a configured DCI size for the set of DCI formats.

88. The apparatus of claim 82, wherein the at least one processor is configured: to size match a resource allocation (RA) size of a first DCI format of the at least two DCI formats to a RA size of a second DCI format of the at least two DCI formats; and size match a total DCI payload size of the first DCI format to a total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format.

89. The apparatus of claim 82, wherein the at least one processor is configured: to use a resource allocation (RA) size of an initial carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and to size match the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI format if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the initial BWP.

90. The apparatus of claim 82, wherein the at least one processor is configured: to use a resource allocation (RA) size of an active carrier bandwidth part (BWP) to attempt size matching a total DCI payload size of a first DCI format of the at least two DCI formats to a total DCI payload size of a second DCI format of the at least two DCI formats; and to size match the total DCI payload size of the first DCI format to the total DCI payload size of the second DCI format by padding or truncating information of the DCI payload of the first DCI

format if the total DCI payload size of the first DCI format does not match the total DCI payload size of the second DCI format using the RA size of the active BWP.

91. The apparatus of claim 82, wherein the at least one processor is configured: to use a downlink scheduling DCI format resource allocation (RA) size of an active downlink carrier bandwidth part (BWP) in a total DCI payload size of a downlink scheduling DCI format of the at least two DCI formats; to use an uplink scheduling DCI format RA size of an active uplink BWP in a total DCI payload size of an uplink scheduling DCI format of the at least two DCI formats; and to size match the total DCI payload size of one of the downlink scheduling DCI format and the uplink scheduling DCI format to the other one of the uplink scheduling DCI format and the downlink scheduling DCI format by padding or truncating information of the DCI payload of one of the uplink scheduling DCI format or the downlink scheduling DCI format if the total DCI payload size of the downlink scheduling DCI format and the total DCI payload size of the uplink scheduling DCI format do not match.

92. The apparatus of claim 82, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to an uplink and a second DCI format used with respect to a supplemental uplink corresponding to the uplink, wherein the at least one processor is configured: to size match one of the first DCI format and the second DCI format to the other one of the second DCI format and the first DCI format based on a configured DCI size for the other one of the second DCI format and the first DCI format.

93. The apparatus of claim 82, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink and a second DCI format used with respect to a supplemental uplink corresponding to an uplink associated with the downlink, wherein the at least one processor is configured: to size match the second DCI format to the first DCI format based on a configured DCI size for the first DCI format.

94. The apparatus of claim 82, wherein the at least two DCI formats of the set of DCI formats for which dynamic size matching is performed comprise a first DCI format used with respect to a downlink, a second DCI format used with respect to an uplink corresponding to the downlink, and a third DCI format used with respect to a supplemental uplink corresponding to the uplink, wherein the at least one processor is configured: to size match two of the first DCI format, the second DCI format, and the third DCI format to the

remaining one of the third DCI format, the second DCI format, and the first DCI format based on a configured DCI size for the remaining one of the third DCI format, the second DCI format, and the first DCI format.

95. The apparatus of claim 82, wherein the set of DCI formats includes DCI formats 0-0 and 1-0 in common search space (CSS) and DCI formats 0-0 and 1-0 in UE-specific search space (USS), wherein the at least one processor is configured: size match at least two DCI formats comprises size matching DCI formats 0-0 and 1-0 in USS to DCI formats 0-0 and 1-0 in CSS if a DCI size restriction of the one or more size restrictions with respect to the total number of DCI format sizes for concurrent use is not met with respect to the set of DCI formats.

96. The apparatus of claim 82, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the at least one processor configured to size match at least two DCI formats is configured to: size match a resource allocation (RA) size of an initial uplink bandwidth part (BWP) to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 using the RA size of the initial uplink BWP then size match the total DCI payload size of the DCI format 0-0 to the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0.

97. The apparatus of claim 82, wherein the set of DCI formats includes DCI formats 0-0 and 1-0, and wherein the at least one processor configured to size match at least two DCI formats is configured to: size match a downlink resource allocation (RA) size with respect to an active downlink bandwidth part (BWP) and size match an uplink RA size with respect to an active uplink BWP to attempt size matching a total DCI payload size of the DCI format 0-0 to a total DCI payload size of the DCI format 1-0 and if the total DCI payload size of the DCI format 0-0 does not match the total DCI payload size of the DCI format 1-0 then size match the total DCI payload size of the DCI format 0-0 and the total DCI payload size of the DCI format 1-0 by zero padding the DCI payload of the DCI format 0-0 or the DCI format 1-0.

98. The apparatus of claim 82, wherein the at least one processor configured to size match at least two DCI formats is configured to: size match a DCI format size for a DCI format used with respect to a primary link and size match a DCI format size for a DCI format

size for a DCI format used with respect to a supplemental link based on a maximum configured DCI size of a configured DCI size for the primary link and a configured DCI size for the supplemental link.

99. The apparatus of claim 82, wherein the at least one processor configured to size match at least two DCI formats is configured to: size match a DCI format size for a DCI format used with respect a supplemental link to a configured DCI size for a DCI format used with respect to a corresponding primary link.

100. The apparatus of claim 82, wherein the at least one processor configured to size match at least two DCI formats is configured to: size match a DCI format size for a DCI format used with respect to a primary downlink, a DCI format size for a DCI format used with respect to a primary uplink, and a DCI format size for a DCI format used with respect to a supplemental link based upon an active bandwidth part (BWP).

101. The apparatus of claim 78, wherein an identifier used for encoding DCI payload comprises a cell radio network temporary identifier (C-RNTI).