

CLAIMS

1. A method for wireless communications by a user equipment-~~(, UE (120),~~ comprising:
 sending (902) information comprising an indication of a bandwidth part-~~(, BWP),~~
 capability of the UE (120) to a base station-~~(, BS);~~
~~—receiving, in response to the indication, a configuration from the BS indicating a set of~~
~~BWPs available to use for communication; and~~
~~—performing communications on at least one of the set of BWPs.~~
2. ~~The method of claim 1, (110), wherein the information further comprises an indication~~
~~of a carrier aggregation (CA) capability of the UE.;~~
3. ~~The method of claim 1, further comprising:~~
~~—receiving from the BS a request for one or more capabilities of the UE, wherein the~~
~~information is sent in response to the request.~~
4. ~~The method of claim 1, wherein:~~
 the indication of the BWP capability comprises an indication of a BWP
 capability for each of one or more component carriers; or
 the indication of the BWP capability comprises an indication of a BWP
 capability for each of one of more carrier aggregation-~~(, CA),~~ configurations.;
5. ~~The method of claim 4, wherein the indication of the BWP capability comprises a~~
~~maximum receive bandwidth of the UE.~~
6. ~~The method of claim 4, wherein the indication of the BWP capability comprises an~~
~~indication of one or more receive bandwidths supported by the UE.~~
7. ~~The method of claim 4, wherein the indication of the BWP capability comprises an~~
~~indication of a capability of the UE (120) to switch from at least a first one or more BWPs to at~~
~~least a second one or more BWPs.~~

8. — ~~The method of claim 7, and wherein the indication of the BWP capability of the UE to includes a list of latencies of all BWP switch from the first one or more combinations between BWPs to the second one or more BWPs comprises a latency associated with switching from each combination of the first one or more BWPs to the second one or more BWPs;~~
9. — ~~The method of claim 7, wherein the indication of the capability of the UE to switch from the first one or more BWPs to the second one or more BWPs comprises a maximum latency associated with switching from the first one or more BWPs to the second one or more BWPs.~~
10. — ~~The method of claim 1, wherein the receiving (904), in response to the indication, a configuration is received via a radio resource control (RRC) reconfiguration message.~~
11. — ~~The method of claim 10, wherein the RRC reconfiguration message triggers at least one of an addition of one or more BWPs to the from the BS (110) indicating a set of BWPs, a release of one or more BWPs from the set of BWPs, or a reconfiguration of one or more BWPs in the set of BWPs.~~
12. — ~~The method of claim 10, wherein the set of BWPs in the configuration comprises at least one of a default downlink BWP or a default uplink BWP.~~
13. — ~~The method of claim 12, wherein performing the communications comprises retuning and performing a random access procedure on the default uplink BWP.~~
14. — ~~The method of claim 13, wherein the random access procedure is performed on the default uplink BWP if a current active uplink BWP does not have random access resources.~~
15. — ~~The method of claim 13, wherein the random access procedure is a contention based random access procedure or a contention free access procedure.~~
16. — ~~The method of claim 12, wherein performing the communications comprises performing a random access procedure on an initial active uplink BWP indicated in system information if the default uplink BWP is not configured and a current active uplink BWP does not have random access resources.~~

17. ~~The method of claim 12, wherein performing the communications comprises:~~
~~—determining that a current active uplink BWP does not have random access resources;~~
~~—after the determination, switching from the current active uplink BWP that does not have random access resources to another uplink BWP that does have random access resources; and~~
~~—performing a random access procedure on the other uplink BWP.~~

18. ~~The method of claim 17, wherein:~~
~~—the other uplink BWP is one of a plurality of uplink BWPs configured with random access resources; and~~
~~—the other uplink BWP is not the default uplink BWP.~~

19. ~~The method of claim 12, wherein performing the communications comprises monitoring for system information and random access response on the default downlink BWP.~~

20. ~~The method of claim 10, wherein the set of BWPs in the configuration comprises:~~
~~—a set of BWPs for frequency division duplex (FDD) operation;~~
~~—a set of BWPs for time division duplex (TDD) operation;~~
~~—a set of downlink BWPs for supplemental downlink (SDL) operation; or~~
~~—a set of uplink BWPs for supplemental uplink (SUL) operation.~~

21. ~~The method of claim 20, wherein:~~
~~—the set of BWPs for FDD operation comprises a default uplink BWP and default downlink BWP for FDD operation;~~
~~—the set of BWPs for TDD operation comprises a default BWP for downlink and uplink;~~
~~—the set of downlink BWPs for SDL operation comprises a default downlink BWP for SDL operation; and~~
~~—the set of uplink BWPs for SUL operation comprises a default uplink BWP for SUL operation.~~

22. ~~The method of claim 10, wherein the RRC reconfiguration message triggers a release of a first active BWP used by the UE for communications.~~

23. ~~The method of claim 22, wherein:~~

~~performing the communications comprises switching to a default BWP for the communications in response to the release; and~~

~~the default BWP comprises a default downlink BWP, a default uplink BWP or a default BWP pair for uplink and downlink.~~

~~24. The method of claim 22, wherein:~~

~~the RRC reconfiguration message comprises an indication of a second active BWP for the UE available to use for communication; and~~

~~performing the(906) communications comprises switching from the first active BWP to the second active BWP for the communications in response to the release on at least one of the set of BWPs.~~

~~252. The method of claim 101, wherein the RRC reconfiguration message refrains from releasing information further comprises an active BWP used by indication of a carrier aggregation, CA, capability of the UE for communication.(120).~~

~~263. The method of claim 1, wherein:~~

~~performing (906) the communications comprises communicating on a first active BWP in a first cell;~~

~~detecting at least one of a radio link failure in the first cell, a handover from the first cell or a change in the first cell; and~~

~~triggering a release of the first active BWP in response to the detection.~~

~~274. The method of claim 1, further comprising:~~

~~sending a random access preamble to another BS (110) on an uplink BWP for the other BS; (110); and~~

~~monitoring for a random access response from the other BS (110) on a downlink BWP for the other BS; (110).~~

~~28. The method of claim 27, further comprising receiving a handover command, wherein an indication of the uplink BWP and downlink BWP for the other BS is provided in the handover command.~~

~~29. The method of claim 1, further comprising monitoring for at least one of a paging message or system information in an active downlink BWP of the set of BWPs.~~

~~305.~~ The method of claim 1, further comprising:

receiving a trigger to switch from an active downlink BWP of the set of BWPs to a default downlink BWP of the set of BWPs to monitor for at least one of a paging message or system information;

switching from the active downlink BWP to the default downlink BWP in response to the trigger; and

monitoring for at least one of the paging message or the system information on the default downlink BWP.

~~31. The method of claim 30, wherein the trigger is received via downlink control information (DCI).~~

~~32. The method of claim 30, where the default downlink BWP is a fallback downlink BWP or an initial downlink BWP.~~

~~336.~~ A method for wireless communications by a base station (~~BS (110)~~), comprising:

receiving, ~~(1002)~~, from a user equipment (~~UE (120)~~), information comprising an indication of a bandwidth part (~~BWP~~), capability of the UE; ~~(120)~~, wherein:

~~—determining, based on the indication, a configuration indicating a set of BWPs available for the UE to use for communication; and~~

~~—sending the configuration to the UE.~~

~~34. The method of claim 33, wherein the information further comprises an indication of a carrier aggregation (CA) capability of the UE.~~

~~35. The method of claim 33, further comprising sending a request for one or more capabilities of the UE, wherein the information is received in response to the request.~~

~~36. The method of claim 33, wherein:~~

the indication of the BWP capability comprises an indication of a BWP capability for each of one or more component carriers; or

the indication of the BWP capability comprises an indication of a BWP capability for each of one of more carrier aggregation (CA) configurations;

~~37. The method of claim 36, wherein the indication of the BWP capability comprises a maximum receive bandwidth of the UE.~~

~~38. The method of claim 36, wherein the indication of the BWP capability comprises an indication of one or more receive bandwidths supported by the UE.~~

~~39. The method of claim 36, wherein the indication of the BWP capability comprises an indication of a capability of the UE (120) to switch from at least a first one or more BWPs to at least a second one or more BWPs.~~

~~40. The method of claim 39, and wherein the indication of the BWP capability of the UE to includes a list of latencies of all BWP switch from the first one or more combinations between BWPs to the second one or more BWPs comprises a latency associated with switching from each combination of the first one or more BWPs to the second one or more BWPs;~~

~~41. The method of claim 39, wherein the indication of the capability of the UE to switch from the first one or more BWPs to the second one or more BWPs comprises a maximum latency associated with switching from the first one or more BWPs to the second one or more BWPs.~~

~~42. The method of claim 33, wherein the configuration is sent via a radio resource control (RRC) reconfiguration message.~~

~~43. The method of claim 42, wherein the RRC reconfiguration message triggers at least one of an addition of one or more BWPs to the determining (1004), based on the indication, a configuration indicating a set of BWPs, a release of one or more BWPs from the set of BWPs, or a reconfiguration of one or more BWPs in the set of BWPs.~~

~~44. The method of claim 42, wherein the set of BWPs in the configuration comprises at least one of a default downlink BWP or a default uplink BWP.~~

45. ~~The method of claim 42, wherein the set of BWPs in the configuration comprises:~~

- ~~—— a set of BWPs available for frequency division duplex (FDD) operation;~~
- ~~—— a set of BWPs for time division duplex (TDD) operation;~~
- ~~—— a set of downlink BWPs for supplemental downlink (SDL) operation; or~~
- ~~—— a set of uplink BWPs for supplemental uplink (SUL) operation.~~

46. ~~The method of claim 45, wherein:~~

- ~~—— the set of BWPs for FDD operation comprises a default uplink BWP and default downlink BWP for FDD operation;~~
- ~~—— the set of BWPs for TDD operation comprises a default BWP for downlink and uplink;~~
- ~~—— the set of downlink BWPs for SDL operation comprises a default downlink BWP for SDL operation; and~~
- ~~—— the set of uplink BWPs for SUL operation comprises a default uplink BWP for SUL operation.~~

47. ~~The method of claim 42, wherein the RRC reconfiguration message triggers a release of a first active BWP used by the UE for communications.~~

48. ~~The method of claim 47, wherein the RRC reconfiguration message comprises an indication of a second active BWP for the UE the UE (120) to use for communication; and~~
~~—— sending (1006) the configuration to the UE (120).~~

49. ~~The method of claim 42, wherein the RRC reconfiguration message refrains from releasing an active BWP used by the UE for communication.~~

50. ~~The method of claim 33, further comprising:~~

- ~~—— receiving a random access preamble from a UE on an uplink BWP for the BS; and~~
- ~~—— sending a random access response to the UE on a downlink BWP for the BS.~~

51. ~~The method of claim 50, further comprising sending an indication a request for one or more capabilities of the uplink BWP and UE (120), wherein the downlink~~

BWP information is received (1002) in response to the UE via a handover command request.

528. The method of claim 516, wherein:

the uplink BWP configuration is a default uplink BWP of the BS; and sent (1006) via a radio resource control, RRC, reconfiguration message.

the BS is a target cell.

539. The method of claim 51, wherein:

the uplink BWP is an initial active uplink BWP of the BS; and

the BS is a target cell.

54. ~~The method of claim 53, further comprising sending an indication to find the initial active uplink BWP to the UE via a handover command.~~

55. ~~The method of claim 336, further comprising:~~

~~sending at least one of a paging message or system information to the UE (120) on an active downlink BWP of the set of BWPs or on an active default downlink BWP of the set of BWPs.~~

5610. The method of claim 336, further comprising:

triggering the UE (120) to switch from monitoring from a first active downlink BWP to a second downlink BWP for at least one of a paging message or system information;

configuring a retuning time for the switch from the first active downlink BWP to the second downlink BWP; and

refraining from sending at least one of a paging message or system information during the retuning time.

57. ~~The method of claim 33, further comprising sending at least one of a paging message or system information to the UE on a default downlink BWP of the set of BWPs.~~

58. ~~The method of claim 57, wherein the default downlink BWP is a fallback downlink BWP or an initial downlink BWP.~~

59. ~~An apparatus for wireless communication, comprising:~~

~~—— a transmitter configured to transmit information comprising an indication of a bandwidth part (BWP) capability of the apparatus to a base station (BS);~~

~~—— a receiver configured to receive, in response to the indication, a configuration from the BS indicating a set of BWPs available to use for communication;~~

~~—— at least one processor configured to perform communications on at least one of the set of BWPs; and~~

~~—— a memory coupled to the at least one processor.~~

60. The apparatus of claim 59, wherein the information further comprises an indication of a carrier aggregation (CA) capability of the apparatus.

61. The apparatus of claim 59, wherein:

the receiver is further configured to receive from the BS a request for one or more capabilities of the apparatus; and

the transmitter transmits the information in response to the request.

62. The apparatus of claim 59, wherein:

—— the indication of the BWP capability comprises an indication of a BWP capability for each of one or more component carriers; or

—— the indication of the BWP capability comprises an indication of a BWP capability for each of one or more carrier aggregation (CA) configurations.

63. The apparatus of claim 62, wherein the indication of the BWP capability comprises a maximum receive bandwidth of the apparatus.

64. The apparatus of claim 62, wherein the indication of the BWP capability comprises an indication of one or more receive bandwidths supported by the apparatus.

65.—The apparatus of claim 62, wherein the indication of the BWP capability comprises an indication of a capability of the apparatus to switch from at least a first one or more BWPs to at least a second one or more BWPs.

66.—The apparatus of claim 65, wherein the indication of the capability of the apparatus to switch from the first one or more BWPs to the second one or more BWPs comprises a latency associated with switching from each combination of the first one or more BWPs to the second one or more BWPs.

67.—The apparatus of claim 65, wherein the indication of the capability of the apparatus to switch from the first one or more BWPs to the second one or more BWPs comprises a maximum latency associated with switching from the first one or more BWPs to the second one or more BWPs.

68.—The apparatus of claim 59, wherein the configuration is received via a radio resource control (RRC) reconfiguration message.

69.—The apparatus of claim 68, wherein the RRC reconfiguration message triggers at least one of an addition of one or more BWPs to the set of BWPs, a release of one or more BWPs from the set of BWPs, or a reconfiguration of one or more BWPs in the set of BWPs.

70.—The apparatus of claim 68, wherein the set of BWPs in the configuration comprises at least one of a default downlink BWP or a default uplink BWP.

71.—The apparatus of claim 70, wherein the at least one processor is configured to perform the communications by retuning and performing a random access procedure on the default uplink BWP.

72.—The apparatus of claim 71, wherein the random access procedure is performed on the default uplink BWP if a current active uplink BWP does not have random access resources.

73.—The apparatus of claim 71, wherein the random access procedure is a contention-based random access procedure or a contention-free access procedure.

74. ~~The apparatus of claim 70, wherein the at least one processor is configured to perform the communications by performing a random access procedure on an initial active uplink BWP indicated in system information if the default uplink BWP is not configured and a current active uplink BWP does not have random access resources.~~

75. ~~The apparatus of claim 70, wherein the at least one processor is configured to perform the communications by:~~

- ~~—determining that a current active uplink BWP does not have random access resources;~~
- ~~—after the determination, switching from the current active uplink BWP that does not have random access resources to another uplink BWP that does have random access resources; and~~
- ~~—performing a random access procedure on the other uplink BWP.~~

76. ~~The apparatus of claim 75, wherein:~~

- ~~—the other uplink BWP is one of a plurality of uplink BWPs configured with random access resources; and~~
- ~~—the other uplink BWP is not the default uplink BWP.~~

77. ~~The apparatus of claim 70, wherein the at least one processor is configured to perform the communications by monitoring for system information and random access response on the default downlink BWP.~~

78. ~~The apparatus of claim 68, wherein the set of BWPs in the configuration comprises:~~

- ~~—a set of BWPs for frequency division duplex (FDD) operation;~~
- ~~—a set of BWPs for time division duplex (TDD) operation;~~
- ~~—a set of downlink BWPs for supplemental downlink (SDL) operation; or~~
- ~~—a set of uplink BWPs for supplemental uplink (SUL) operation.~~

79. ~~The apparatus of claim 78, wherein:~~

- ~~—the set of BWPs for FDD operation comprises a default uplink BWP and default downlink BWP for FDD operation;~~
- ~~—the set of BWPs for TDD operation comprises a default BWP for downlink and uplink;~~
- ~~—the set of downlink BWPs for SDL operation comprises a default downlink BWP for SDL operation; and~~

~~—— the set of uplink BWPs for SUL operation comprises a default uplink BWP for SUL operation.~~

~~80. The apparatus of claim 68, wherein the RRC reconfiguration message triggers a release of a first active BWP used by the apparatus for communications.~~

~~81. The apparatus of claim 80, wherein:~~

~~the at least one processor is configured to perform the communications by switching to a default BWP for the communications in response to the release; and~~

~~the default BWP comprises a default downlink BWP, a default uplink BWP or a default BWP pair for uplink and downlink.~~

~~82. The apparatus of claim 80, wherein:~~

~~—— the RRC reconfiguration message comprises an indication of a second active BWP for the apparatus to use for communication; and~~

~~—— the at least one processor is configured to perform the communications by switching from the first active BWP to the second active BWP for the communications in response to the release.~~

~~83. The apparatus of claim 68, wherein the RRC reconfiguration message refrains from releasing an active BWP used by the apparatus for communication.~~

~~84. The apparatus of claim 59, wherein:~~

~~—— the at least one processor is configured to perform the communications by communicating on a first active BWP in a first cell;~~

~~—— detecting at least one of a radio link failure in the first cell, a handover from the first cell or a change in the first cell; and~~

~~—— triggering a release of the first active BWP in response to the detection.~~

~~85. The apparatus of claim 59, wherein:~~

~~—— the transmitter is further configured to transmit a random access preamble to another BS on an uplink BWP for the other BS; and~~

~~—— the at least one processor is configured to monitor for a random access response from the other BS on a downlink BWP for the other BS.~~

86. ~~The apparatus of claim 85, wherein:~~

~~the receiver is further configured to receive a handover command; and~~

~~an indication of the uplink BWP and downlink BWP for the other BS is provided in the handover command.~~

87. ~~The apparatus of claim 59, wherein the at least one processor is further configured to monitor for at least one of a paging message or system information in an active downlink BWP of the set of BWPs.~~

88. ~~The apparatus of claim 59, wherein:~~

~~the receiver is configured to receive a trigger to switch from an active downlink BWP of the set of BWPs to a default downlink BWP of the set of BWPs to monitor for at least one of a paging message or system information; and~~

~~the at least one processor is further configured to:~~

~~switch from the active downlink BWP to the default downlink BWP in response to the trigger; and~~

~~monitoring for at least one of the paging message or the system information on the default downlink BWP.~~

89. ~~The apparatus of claim 88, wherein the trigger is received via downlink control information (DCI).~~

90. ~~The apparatus of claim 88, where the default downlink BWP is a fallback downlink BWP or an initial downlink BWP.~~

91. ~~An apparatus for wireless communication, comprising:~~

~~a receiver configured to receive, from a 11. A user equipment (UE), information comprising an indication of a bandwidth part (BWP) capability of the UE;~~

~~at least one processor configured to determine, based on the indication, a configuration indicating a set of BWPs available for the UE to use for communication;~~

~~a transmitter configured to transmit the configuration to the UE; and~~

~~a memory coupled to the at least one processor.~~

92. ~~The apparatus of claim 91, wherein the information further comprises an indication of a carrier aggregation (CA) capability of the UE.~~

93. ~~The apparatus of claim 91, wherein:~~

~~the transmitter is further configured to transmit a request for one or more capabilities of the UE; and~~

~~the receiver receives the information in response to the request.~~

94. ~~The apparatus of claim 91, wherein:~~

~~the indication of the BWP capability comprises an indication of a BWP capability for each of one or more component carriers; or~~

~~the indication of the BWP capability comprises an indication of a BWP capability for each of one or more carrier aggregation (CA) configurations.~~

95. ~~The apparatus of claim 94, wherein the indication of the BWP capability comprises a maximum receive bandwidth of the UE.~~

96. ~~The apparatus of claim 94, wherein the indication of the BWP capability comprises an indication of one or more receive bandwidths supported by the UE.~~

97. ~~The apparatus of claim 94, wherein the indication of the BWP capability comprises an indication of a capability of the UE to switch from at least a first one or more BWPs to at least a second one or more BWPs.~~

98. ~~The apparatus of claim 97, wherein the indication of the capability of the UE to switch from the first one or more BWPs to the second one or more BWPs comprises a latency associated with switching from each combination of the first one or more BWPs to the second one or more BWPs.~~

99. ~~The apparatus of claim 97, wherein the indication of the capability of the UE to switch from the first one or more BWPs to the second one or more BWPs comprises a maximum latency associated with switching from the first one or more BWPs to the second one or more BWPs.~~

~~100. The apparatus of claim 91, wherein the configuration is sent via a radio resource control (RRC) reconfiguration message.~~

~~101. The apparatus of claim 100, wherein the RRC reconfiguration message triggers at least one of an addition of one or more BWPs to the set of BWPs, a release of one or more BWPs from the set of BWPs, or a reconfiguration of one or more BWPs in the set of BWPs.~~

~~102. The apparatus of claim 100, wherein the set of BWPs in the configuration comprises at least one of a default downlink BWP or a default uplink BWP.~~

~~103. The apparatus of claim 100, wherein the set of BWPs in the configuration comprises:~~

- ~~—— a set of BWPs for frequency division duplex (FDD) operation;~~
- ~~—— a set of BWPs for time division duplex (TDD) operation;~~
- ~~—— a set of downlink BWPs for supplemental downlink (SDL) operation; or~~
- ~~—— a set of uplink BWPs for supplemental uplink (SUL) operation.~~

~~104. The apparatus of claim 103, wherein:~~

- ~~—— the set of BWPs for FDD operation comprises a default uplink BWP and default downlink BWP for FDD operation;~~
- ~~—— the set of BWPs for TDD operation comprises a default BWP for downlink and uplink;~~
- ~~—— the set of downlink BWPs for SDL operation comprises a default downlink BWP for SDL operation; and~~
- ~~—— the set of uplink BWPs for SUL operation comprises a default uplink BWP for SUL operation.~~

~~105. The apparatus of claim 100, wherein the RRC reconfiguration message triggers a release of a first active BWP used by the UE for communications.~~

~~106. The apparatus of claim 105, wherein the RRC reconfiguration message comprises an indication of a second active BWP for the UE to use for communication.~~

~~107. The apparatus of claim 100, wherein the RRC reconfiguration message refrains from releasing an active BWP used by the UE for communication.~~

108. ~~The apparatus of claim 91, wherein:~~

~~—— the receiver is further configured to receive a random access preamble from a UE on an uplink BWP for the apparatus; and~~

~~—— the transmitter is further configured to transmit a random access response to the UE on a downlink BWP for the apparatus.~~

109. The apparatus of claim 108, wherein:

the transmitter is further configured to transmit an indication of the uplink BWP and the downlink BWP to the UE via a handover command.

110. The apparatus of claim 109, wherein:

the uplink BWP is a default uplink BWP of the apparatus; and

the apparatus is a target cell.

111. The apparatus of claim 109, wherein:

the uplink BWP is an initial active uplink BWP of the apparatus; and

the apparatus is a target cell.

112. The apparatus of claim 111, wherein the transmitter is further configured to transmit an indication to find the initial active uplink BWP to the UE via a handover command.

113. The apparatus of claim 91, wherein the transmitter is further configured to transmit at least one of a paging message or system information to the UE on an active downlink BWP of the set of BWPs.

114. The apparatus of claim 91, wherein:

the at least one processor is further configured to:

—— trigger the UE to switch from monitoring from a first active downlink BWP to a second downlink BWP for at least one of a paging message or system information; and

—— configure a retuning time for the switch from the first active downlink BWP to the second downlink BWP; and

the transmitter is further configured to refrain from sending at least one of a paging message or system information during the retuning time.

~~115. The apparatus of claim 91, wherein the transmitter is further configured to transmit at least one of a paging message or system information to the UE on a default downlink BWP of the set of BWPs.~~

~~116. The apparatus of claim 115, wherein the default downlink BWP is a fallback downlink BWP or an initial downlink BWP.~~

~~117. An apparatus, UE (120), for wireless communication, comprising:~~
~~means for sending information comprising an indication of a bandwidth part- $\{$, BWP $\}$,₂~~
~~capability of the apparatusUE (120) to a base station- $\{$, BS $\}$; (110), wherein:~~
~~the indication of the BWP capability comprises an indication of a BWP~~
~~capability for each of one or more component carriers; or~~
~~the indication of the BWP capability comprises an indication of a BWP~~
~~capability for each of one of more carrier aggregation, CA, configurations,~~
~~wherein the indication of the BWP capability comprises an indication of a capability~~
~~of the UE (120) to switch from at least a first one or more BWPs to at least a second~~
~~one or more BWPs, and wherein the BWP capability includes a list of latencies of all~~
~~BWP switch combinations between BWPs;~~
~~means for receiving, in response to the indication, a configuration from the BS (110)~~
~~indicating a set of BWPs available to use for communication; and~~
~~means for performing communications on at least one of the set of BWPs.~~

~~118. An apparatus12. A base station, BS (110), for wireless communication,~~
~~comprising:~~
~~means for receiving, from a user equipment- $\{$, UE (120), information comprising an~~
~~indication of a bandwidth part- $\{$, BWP $\}$, capability of the UE (120), wherein:~~
~~the indication of the BWP capability comprises an indication of a BWP~~
~~capability for each of one or more component carriers; or~~
~~the indication of the BWP capability comprises an indication of a BWP~~
~~capability for each of one of more carrier aggregation, CA, configurations,~~
~~wherein the indication of the BWP capability comprises an indication of a capability~~
~~of the UE (120) to switch from at least a first one or more BWPs to at least a second~~
~~one or more BWPs, and wherein the BWP capability includes a list of latencies of all~~
~~BWP switch combinations between BWPs;~~

means for determining, based on the indication, a configuration indicating a set of BWPs available for the UE (120) to use for communication; and
 means for sending the configuration to the UE (120).

~~119~~13. A computer-readable medium having computer executable code stored thereon for wireless communication by an apparatus, the computer executable code comprising:
 ——— code for sending information comprising an indication causing a computer of a bandwidth part (BWP) capability user equipment, UE (120), to perform a method according to any of the apparatus to claims 1 to 5, when executed, or causing a computer of a base station (BS);
 ——— code for receiving, in response to the indication, a configuration from the BS indicating a set of BWPs available to use for communication; and
 ——— code for performing communications on at least one (110), to perform a method according to any of the set of BWPs.

~~120.~~ A computer-readable medium having computer executable code stored thereon for wireless communication by an apparatus, the computer executable code comprising:
 ——— code for receiving, from a user equipment (UE), information comprising an indication of a bandwidth part (BWP) capability of the UE;
 ——— code for determining, based on the indication, a configuration indicating a set of BWPs available for the UE to use for communication; and
 ——— code for sending the configuration to the UE claims 6 to 10, when executed.