CLAIMS

1. A method for wireless communication, comprising:
receiving, from a base station that transmits synchronization signal/physical broadcast channel (SS/PBCH) blocks, an indication of which SS/PBCH blocks in a set of SS/PBCH blocks are actually transmitted by the base station;
determining, based at least in part on the indication, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted by the base station; and
monitoring a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

2. The method of claim 1, further comprising:
monitoring retransmissions of the physical downlink control channel and system information messages based on a multiplexing of the physical downlink control channel monitoring occasions into a transmission, wherein the transmission is repeated within the system information window.

3. The method of claim 1, further comprising:
monitoring retransmissions of the physical downlink control channel and system information messages within the system information window.

4. The method of claim 3, wherein monitoring retransmissions of the physical downlink control channel and system information messages comprises:
monitoring retransmissions of the physical downlink control channel that are non-continuous in time with an initial transmission of the physical downlink control channel.

5. The method of claim 3, wherein monitoring retransmissions of the physical downlink control channel and system information messages comprises:

monitoring retransmissions of the physical downlink control channel that are continuous in time with an initial transmission of the physical downlink control channel.

6. The method of claim 1, wherein receiving the indication of which SS/PBCH blocks are actually transmitted by the base station comprises:
receiving an index of each actually transmitted SS/PBCH block, a duration for the physical downlink control channel monitoring occasions, a duration of the system information window, a number of actually transmitted SS/PBCH blocks, or any combination thereof, via a system information block 1 (SIB1).

7. The method of claim 1, further comprising:
determining a starting time within the system information window for each of the corresponding physical downlink control channel monitoring occasions.

8. The method of claim 7, wherein:
determining the starting time for each of the corresponding physical downlink control channel monitoring occasions is based on an index of each actually transmitted SS/PBCH block, a starting time of the system information window, a duration of the corresponding physical downlink control channel monitoring occasions, a number of corresponding physical downlink control channel monitoring occasions within a radio frame, or combinations thereof.

9. The method of claim 7, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is the same in different system information windows.

10. The method of claim 7, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is different in different system information windows.

11. The method of claim 1, further comprising:
identifying, via the monitored physical downlink control channel, one or more physical downlink shared channel resource allocations for receipt of other system information.

12. The method of claim 11, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted by the base station having a control resource set multiplexing pattern 1.

13. The method of claim 11, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted by the base station based at least in part on a multiplexing pattern.

14. A method for wireless communications by a base station, comprising:
determining, based on synchronization signal/physical broadcast channel (SS/PBCH) blocks which are actually transmitted in a set of SS/PBCH blocks, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard for SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted by the base station;
transmitting, to a user equipment (UE), an indication of which SS/PBCH blocks are actually transmitted; and
transmitting a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

15. The method of claim 14, further comprising:
transmitting retransmissions of the physical downlink control channel and system information messages based on a multiplexing of the physical downlink control channel monitoring occasions into a transmission, wherein the transmission is repeated within the system information window.

16. The method of claim 14, further comprising:
transmitting retransmissions of the physical downlink control channel and system information messages within the system information window.

17. The method of claim 16, wherein transmitting retransmissions of the physical downlink control channel and system information messages comprises:
transmitting retransmissions of the physical downlink control channel that are non-continuous in time with an initial transmission of the physical downlink control channel.

18. The method of claim 16, wherein transmitting retransmissions of the physical downlink control channel and system information messages comprises:
transmitting retransmissions of the physical downlink control channel that are continuous in time with an initial transmission of the physical downlink control channel.

19. The method of claim 14, wherein transmitting the indication of which SS/PBCH blocks are actually transmitted comprises:
transmitting an index of each actually transmitted SS/PBCH block, a duration for the physical downlink control channel monitoring occasions, a duration of the system information window, a number of actually transmitted SS/PBCH blocks, or any combination thereof, via a system information block (SIB1).

20. The method of claim 14, further comprising:
determining a starting time within the system information window for each of the corresponding physical downlink control channel monitoring occasions.

21. The method of claim 20, wherein:
determining the starting time for each of the corresponding physical downlink control channel monitoring occasions is based on an index of each actually transmitted SS/PBCH block, a starting time of the system information window, a duration of the corresponding physical downlink control channel monitoring occasions, a number of corresponding physical downlink control channel monitoring occasions within a radio frame, or combinations thereof.

22. The method of claim 20, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is the same in different system information windows.

23. The method of claim 20, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is different in different system information windows.

24. The method of claim 14, further comprising:
indicating, via the monitored physical downlink control channel, one or more physical downlink shared channel resource allocations for receipt of other system information.

25. The method of claim 24, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted to the UE having a control resource set multiplexing pattern 1.

26. The method of claim 24, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted to the UE based at least in part on a multiplexing pattern.

27. An apparatus for wireless communication, comprising:
a processor,
memory coupled with the processor; and
instructions stored in the memory and executable by the processor to cause the apparatus to:
receive, from a base station that transmits synchronization signal/physical broadcast channel (SS/PBCH) blocks, an indication of which SS/PBCH blocks in a set of SS/PBCH blocks are actually transmitted by the base station;

determine, based at least in part on the indication, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on the actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted by the base station; and

monitor a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

28. The apparatus of claim 27, wherein the instructions are further executable by the processor to cause the apparatus to:

monitor retransmissions of the physical downlink control channel and system information messages based on a multiplexing of the physical downlink control channel monitoring occasions into a transmission, wherein the transmission is repeated within the system information window.

29. The apparatus of claim 27, wherein the instructions are further executable by the processor to cause the apparatus to:

monitor retransmissions of the physical downlink control channel and system information messages within the system information window.

30. The apparatus of claim 29, wherein the instructions to monitor retransmissions of the physical downlink control channel and system information messages are executable by the processor to cause the apparatus to:

monitor retransmissions of the physical downlink control channel that are non-continuous in time with an initial transmission of the physical downlink control channel.

31. The apparatus of claim 29, wherein the instructions to monitor retransmissions of the physical downlink control channel and system information messages are executable by the processor to cause the apparatus to:

monitor retransmissions of the physical downlink control channel that are continuous in time with an initial transmission of the physical downlink control channel.

32. The apparatus of claim 27, wherein the instructions to receive the indication of which SS/PBCH blocks are actually transmitted by the base station are executable by the processor to cause the apparatus to:
receive an index of each actually transmitted SS/PBCH block, a duration for the physical downlink control channel monitoring occasions, a duration of the system information window, a number of actually transmitted SS/PBCH blocks, or any combination thereof, via a system information block 1 (SIB1).

33. The apparatus of claim 27, wherein the instructions are further executable by the processor to cause the apparatus to:
determine a starting time within the system information window for each of the corresponding physical downlink control channel monitoring occasions.

34. The apparatus of claim 33, wherein determining the starting time for each of the corresponding physical downlink control channel monitoring occasions is based on an index of each actually transmitted SS/PBCH block, a starting time of the system information window, a duration of the corresponding physical downlink control channel monitoring occasions, a number of corresponding physical downlink control channel monitoring occasions within a radio frame, or combinations thereof.

35. The apparatus of claim 33, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is the same in different system information windows.

36. The apparatus of claim 33, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is different in different system information windows.

37. The apparatus of claim 27, wherein the instructions are further executable by the processor to cause the apparatus to:

identify, via the monitored physical downlink control channel, one or more physical downlink shared channel resource allocations for receipt of other system information.

38. The apparatus of claim 37, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted by the base station having a control resource set multiplexing pattern 1.

39. The apparatus of claim 37, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted by the base station based at least in part on a multiplexing pattern.

40. An apparatus for wireless communications, comprising:
a processor,
memory coupled with the processor; and
instructions stored in the memory and executable by the processor to cause the apparatus to:
determine, based on synchronization signal/physical broadcast channel (SS/PBCH) blocks which are actually transmitted in a set of SS/PBCH blocks, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in a set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted;
transmit, to a user equipment (UE), an indication of which SS/PBCH blocks are actually transmitted; and
transmit a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

41. The apparatus of claim 40, wherein the instructions are further executable by the processor to cause the apparatus to:

transmit retransmissions of the physical downlink control channel and system information messages based on a multiplexing of the physical downlink control channel monitoring occasions into a transmission, wherein the transmission is repeated within the SI window.

42. The apparatus of claim 40, wherein the instructions are further executable by the processor to cause the apparatus to:
transmit retransmissions of the physical downlink control channel and system information messages within the system information window.

43. The apparatus of claim 42, wherein the instructions to transmit retransmissions of the physical downlink control channel and system information messages are executable by the processor to cause the apparatus to:
transmit retransmissions of the physical downlink control channel that are non-continuous in time with an initial transmission of the physical downlink control channel.

44. The apparatus of claim 42, wherein the instructions to transmit retransmissions of the physical downlink control channel and system information messages are executable by the processor to cause the apparatus to:
transmit retransmissions of the physical downlink control channel that are continuous in time with an initial transmission of the physical downlink control channel.

45. The apparatus of claim 40, wherein the instructions to transmit the indication of which SS/PBCH blocks are actually transmitted are executable by the processor to cause the apparatus to:
transmit an index of each actually transmitted SS/PBCH block, a duration for the physical downlink control channel monitoring occasions, a duration of the system information window, a number of actually transmitted SS/PBCH blocks, or any combination thereof, via a system information block (SIB1).

46. The apparatus of claim 40, wherein the instructions are further executable by the processor to cause the apparatus to:

determine a starting time within the system information window for each of the corresponding physical downlink control channel monitoring occasions.

47. The apparatus of claim 46, wherein determining the starting time for each of the corresponding physical downlink control channel monitoring occasions is based on an index of each actually transmitted SS/PBCH block, a starting time of the system information window, a duration of the corresponding physical downlink control channel monitoring occasions, a number of corresponding physical downlink control channel monitoring occasions within a radio frame, or combinations thereof.

48. The apparatus of claim 46, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is the same in different system information windows.

49. The apparatus of claim 46, wherein the starting time for each of the corresponding physical downlink control channel monitoring occasions is different in different system information windows.

50. The apparatus of claim 40, wherein the instructions are further executable by the processor to cause the apparatus to:
indicate, via the monitored physical downlink control channel, one or more physical downlink shared channel resource allocations for receipt of other system information.

51. The apparatus of claim 50, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the SS/PBCH blocks which are actually transmitted to the UE having a control resource set multiplexing pattern 1.

52. The apparatus of claim 50, wherein the one or more physical downlink shared channel resource allocations are the same as corresponding resource allocations for physical downlink shared channel messages carrying remaining minimum system information associated with the

SS/PBCH blocks which are actually transmitted to the UE based at least in part on a multiplexing pattern.

53. An apparatus for wireless communication, comprising:
means for receiving, from a base station that transmits synchronization signal/physical broadcast channel (SS/PBCH) blocks, an indication of which SS/PBCH blocks are actually transmitted by the base station in a set of SS/PBCH blocks;
means for determining, based at least in part on the indication, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted by the base station; and
means for monitoring for a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

54. An apparatus for wireless communications, comprising:
means for determining, based on synchronization signal/physical broadcast channel (SS/PBCH) blocks which are actually transmitted in a set of SS/PBCH blocks, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted;
means for transmitting, to a user equipment (UE), an indication of which SS/PBCH blocks are actually transmitted; and
means for transmitting a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

55. A non-transitory computer-readable medium storing code for wireless communication, the code comprising instructions executable by a processor to:

receive, from a base station that transmits synchronization signal/physical broadcast channel (SS/PBCH) blocks, an indication of which SS/PBCH blocks in a set of SS/PBCH blocks are actually transmitted by the base station;

determine, based at least in part on the indication, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted by the base station; and

monitor a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.

56. A non-transitory computer-readable medium storing code for wireless communications, the code comprising instructions executable by a processor to:

determine, based on synchronization signal/physical broadcast channel (SS/PBCH) blocks which are actually transmitted in a set of SS/PBCH block, corresponding physical downlink control channel (PDCCH) monitoring occasions within a system information window, wherein the PDCCH monitoring occasions within the system information window are determined based at least in part on actually transmitted SS/PBCH blocks in the set of SS/PBCH blocks and without regard to SS/PBCH blocks in the set of SS/PBCH blocks that are not transmitted;

transmit, to a user equipment (UE), an indication of which SS/PBCH blocks are actually transmitted; and

transmit a physical downlink control channel within the system information window during the corresponding physical downlink control channel monitoring occasions.