WHAT IS CLAIMED IS:

1. A method of wireless communication, comprising:

generating a control frame comprising a physical layer preamble having a signal field, the signal field including an indicator indicating the control frame is a control frame type of frame; and

transmitting the control frame.

2. The method of Claim 1, wherein the indicator comprises a length field indicating the control frame is a control frame type of frame.

3. The method of Claim 2, wherein a value of 0 for the length field indicates the type of frame is a control frame type.

4. The method of Claim 2, wherein a value less than 10 for the length field indicates the type of frame is a control frame type.

5. The method of Claim 4, wherein the value indicates a type of control frame.

6. The method of Claim 1, wherein control information of the control frame is included in the signal field.

7. The method of Claim 1, wherein the control frame consists essentially of a physical layer preamble.

8. The method of Claim 1, wherein the signal field comprises a single bit that indicates the control frame is a control frame type.

9. The method of Claim 1, wherein a reserved value of a field of the control frame indicates the control frame is a control frame type.

10. The method of Claim 1, wherein the control frame further includes a type field indicating a type of the control frame.

11. The method of Claim 1, wherein the control frame further comprises a control extension field, the control extension field comprising additional control information.

12. The method of Claim 11, wherein the control extension field has a predefined modulation coding scheme.

13. The method of Claim 1, wherein the control information comprises a cyclic redundancy check field and a transmit power indication field.

14. The method of Claim 1, wherein the control information comprises an indicator of the bandwidth of the control frame.

15. The method of Claim 1, wherein the control frame is an acknowledgement frame.

16. The method of Claim 1, wherein the control frame is a power save poll frame.

17. The method of Claim 1, wherein the control frame is a request to send frame.

18. The method of Claim 1, wherein the control frame is a clear to send frame.

19. The method of Claim 1, wherein the control frame is at least one of a block acknowledgment request frame and a block acknowledgment frame.

20. The method of Claim 1, wherein the control frame is at least one of a contention-free end frame and a contention-free end poll frame.

21. The method of Claim 1, wherein the control frame is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

22. The method of Claim 1, wherein the control frame is a null data packet frame.

23. The method of Claim 1, wherein the control frame is at least one of a probe request frame and a probe response frame.

24. A wireless device, comprising:

a processor configured to generate a control frame comprising a physical layer preamble having a signal field, the signal field including an indicator indicating the control frame is a control frame type of frame; and

a transmitter configured to transmit the control frame.

25. The wireless device of Claim 24, wherein the indicator comprises a length field indicating the control frame is a control frame type of frame.

26. The wireless device of Claim 25, wherein a value of 0 for the length field indicates the type of frame is a control frame type.

27. The wireless device of Claim 25, wherein a value less than 10 for the length field indicates the type of frame is a control frame type.

28. The wireless device of Claim 27, wherein the value indicates a type of control frame.

29. The wireless device of Claim 24, wherein control information of the control frame is included in the signal field.

30. The wireless device of Claim 24, wherein the control frame consists essentially of a physical layer preamble.

31. The wireless device of Claim 24, wherein the signal field comprises a single bit that indicates the control frame is a control frame type.

32. The wireless device of Claim 24, wherein a reserved value of a field of the control frame indicates the control frame is a control frame type.

33. The wireless device of Claim 24, wherein the control frame further includes a type field indicating a type of the control frame.

34. The wireless device of Claim 24, wherein the control frame further comprises a control extension field, the control extension field comprising additional control information.

35. The wireless device of Claim 34, wherein the control extension field has a predefined modulation coding scheme.

36. The wireless device of Claim 24, wherein the control information comprises a cyclic redundancy check field and a transmit power indication field.

37. The wireless device of Claim 24, wherein the control information comprises an indicator of the bandwidth of the control frame.

38. The wireless device of Claim 24, wherein the control frame is an acknowledgement frame.

39. The wireless device of Claim 24, wherein the control frame is a power save poll frame.

40. The wireless device of Claim 24, wherein the control frame is a request to send frame.

41. The wireless device of Claim 24, wherein the control frame is a clear to send frame.

42. The wireless device of Claim 24, wherein the control frame is at least one of

a block acknowledgment request frame and a block acknowledgment frame.

43. The wireless device of Claim 24, wherein the control frame is at least one of a contention-free end frame and a contention-free end poll frame.

44. The wireless device of Claim 24, wherein the control frame is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

45. The wireless device of Claim 24, wherein the control frame is a null data packet frame.

46. The wireless device of Claim 24, wherein the control frame is at least one of a probe request frame and a probe response frame.

47. A wireless device, comprising:

means for generating a control frame comprising a physical layer preamble having a signal field, the signal field including an indicator indicating the control frame is a control frame type of frame; and

means for transmitting the control frame.

48. The wireless device of Claim 47, wherein the indicator comprises a length field indicating the control frame is a control frame type of frame.

49. The wireless device of Claim 48, wherein a value of 0 for the length field indicates the type of frame is a control frame type.

50. The wireless device of Claim 48, wherein a value less than 10 for the length field indicates the type of frame is a control frame type.

51. The wireless device of Claim 50, wherein the value indicates a type of control frame.

52. The wireless device of Claim 47, wherein control information of the control frame is included in the signal field.

53. The wireless device of Claim 47, wherein the control frame consists essentially of a physical layer preamble.

54. The wireless device of Claim 47, wherein the signal field comprises a single bit that indicates the control frame is a control frame type.

55. The wireless device of Claim 47, wherein a reserved value of a field of the control frame indicates the control frame is a control frame type.

56. The wireless device of Claim 47, wherein the control frame further includes a type field indicating a type of the control frame.

57. The wireless device of Claim 47, wherein the control frame further comprises a control extension field, the control extension field comprising additional control information.

58. The wireless device of Claim 57, wherein the control extension field has a predefined modulation coding scheme.

59. The wireless device of Claim 47, wherein the control information comprises a cyclic redundancy check field and a transmit power indication field.

60. The wireless device of Claim 47, wherein the control information comprises an indicator of the bandwidth of the control frame.

61. The wireless device of Claim 47, wherein the control frame is an acknowledgement frame.

62. The wireless device of Claim 47, wherein the control frame is a power save poll frame.

63. The wireless device of Claim 47, wherein the control frame is a request to send frame.

64. The wireless device of Claim 47, wherein the control frame is a clear to send frame.

65. The wireless device of Claim 47, wherein the control frame is at least one of a block acknowledgment request frame and a block acknowledgment frame.

66. The wireless device of Claim 47, wherein the control frame is at least one of a contention-free end frame and a contention-free end poll frame.

67. The wireless device of Claim 47, wherein the control frame is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

68. The wireless device of Claim 47, wherein the control frame is a null data packet frame.

69. The wireless device of Claim 47, wherein the control frame is at least one of a probe request frame and a probe response frame.

70. A computer program product, comprising:

a computer-readable medium comprising:

code for generating a control frame comprising a physical layer preamble having a signal field, the signal field including an indicator indicating the control frame is a control frame type of frame; and

code for transmitting the control frame.

71. The computer program product of Claim 70, wherein the indicator comprises a length field indicating the control frame is a control frame type of frame.

72. The computer program product of Claim 71, wherein a value of 0 for the length field indicates the type of frame is a control frame type.

73. The computer program product of Claim 71, wherein a value less than 10 for the length field indicates the type of frame is a control frame type.

74. The computer program product of Claim 73, wherein the value indicates a type of control frame.

75. The computer program product of Claim 70, wherein control information of the control frame is included in the signal field.

76. The computer program product of Claim 70, wherein the control frame consists essentially of a physical layer preamble.

77. The computer program product of Claim 70, wherein the signal field comprises a single bit that indicates the control frame is a control frame type.

78. The computer program product of Claim 70, wherein a reserved value of a field of the control frame indicates the control frame is a control frame type.

79. The computer program product of Claim 70, wherein the control frame further includes a type field indicating a type of the control frame.

80. The computer program product of Claim 70, wherein the control frame further comprises a control extension field, the control extension field comprising additional control information.

81. The computer program product of Claim 80, wherein the control extension field has a predefined modulation coding scheme.

82. The computer program product of Claim 70, wherein the control information comprises a cyclic redundancy check field and a transmit power indication field.

83. The computer program product of Claim 70, wherein the control information comprises an indicator of the bandwidth of the control frame.

84. The computer program product of Claim 70, wherein the control frame is an acknowledgement frame.

85. The computer program product of Claim 70, wherein the control frame is a power save poll frame.

86. The computer program product of Claim 70, wherein the control frame is a request to send frame.

87. The computer program product of Claim 70, wherein the control frame is a clear to send frame.

88. The computer program product of Claim 70, wherein the control frame is at least one of a block acknowledgment request frame and a block acknowledgment frame.

89. The computer program product of Claim 70, wherein the control frame is at least one of a contention-free end frame and a contention-free end poll frame.

90. The computer program product of Claim 70, wherein the control frame is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

91. The computer program product of Claim 70, wherein the control frame is a null data packet frame.

92. The computer program product of Claim 70, wherein the control frame is at least one of a probe request frame and a probe response frame.

CLAIMS

1. A method of wireless communication, comprising:

generating a frame comprising a physical layer preamble having a signal field, the signal field comprising:

an indicator indicating the signal field is encoded with multiple fields comprising information associated with a frame type; and

a cyclic redundancy check field;

encoding the multiple fields comprising information associated with the frame type in the signal field of the frame, the information comprising:

type information indicating the frame type; and

additional information determined based on frame type,

wherein the frame type is at least one of a set of frame types, the set comprising: an acknowledgement frame; a power save poll frame; a clear to send frame; and a block acknowledgement frame; and

transmitting the frame.

2. The method of claim 1, wherein the indicator comprises a length field indicating the frame is encoded with multiple fields comprising information associated with the frame type.

3. The method of claim 2, wherein a value of 0 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

4. The method of claim **2**, wherein a value less than 10 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

5. The method of claim **4**, wherein the value indicates the frame type.

6. The method of claim **1**, wherein the additional information comprises control information associated with the frame type.

7. The method of claim **6**, wherein the control information comprises a transmit power indication field.

8. The method of claim **6**, wherein the control information comprises an indicator of the bandwidth of the frame.

9. The method of claim **1**, wherein the frame consists essentially of a physical layer preamble.

10. The method of claim **1**, wherein the indicator comprises a single bit.

11. The method of claim **1**, wherein the indicator comprises a reserved value of a field of the frame.

12. The method of claim **1**, wherein the frame further comprises a control extension field, the control extension field comprising control information associated with the frame type.

13. The method of claim **12**, wherein the control extension field has a predefined modulation coding scheme.

14. The method of claim **1**, wherein the frame type is a request to send frame.

15. The method of claim **1**, wherein the frame type is a block acknowledgment request frame.

16. The method of claim **1**, wherein the frame type is at least one of a contention-free end frame and a contention-free end poll frame.

17. The method of claim **1**, wherein the frame type is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

18. The method of claim **1**, wherein the frame type is at least one of a probe request frame and a probe response frame.

19. A wireless device, comprising:

a processor configured to:

generate a frame comprising a physical layer preamble having a signal field, the signal field comprising:

an indicator indicating the signal field is encoded with multiple fields comprising information associated with frame type; and

a cyclic redundancy check field; and

encode the multiple fields comprising information associated with the frame type in the signal field of the frame, the information comprising:

type information indicating the frame type; and

additional information determined based on the frame type,

wherein the frame type is at least one of a set of frame types, the set comprising: an acknowledgement frame; a power save poll frame; a clear to send frame; and a block acknowledgement frame; and

a transmitter configured to transmit the frame.

20. The wireless device of claim **19**, wherein the indicator comprises a length field indicating the frame is encoded with multiple fields comprising information associated with the frame type.

21. The wireless device of claim **20**, wherein a value of 0 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

22. The wireless device of claim **20**, wherein a value less than 10 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

23. The wireless device of claim **22**, wherein the value indicates the frame type.

24. The wireless device of claim **19**, wherein the additional information comprises control information associated with the frame type.

25. The wireless device of claim **24**, wherein the control information comprises a transmit power indication field.

26. The wireless device of claim **24**, wherein the control information comprises an indicator of the bandwidth of the frame.

27. The wireless device of claim **19**, wherein the frame consists essentially of a physical layer preamble.

28. The wireless device of claim **19**, wherein the indicator comprises a single bit.

29. The wireless device of claim **19**, wherein the indicator comprises a reserved value of a field of the frame.

30. The wireless device of claim **19**, wherein the frame further comprises a control extension field, the control extension field comprising control information associated with the frame type.

31. The wireless device of claim **30**, wherein the control extension field has a predefined modulation coding scheme.

32. The wireless device of claim **19**, wherein the frame type is a request to send frame.

33. The wireless device of claim **19**, wherein the frame type is a block acknowledgement request frame.

34. The wireless device of claim **19**, wherein the frame type is at least one of a contention-free end frame and a contention-free end poll frame.

35. The wireless device of claim **19**, wherein the frame type is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

36. The wireless device of claim **19**, wherein the frame type is at least one of a probe request frame and a probe response frame.

37. A wireless device, comprising:

means for generating a frame comprising a physical layer preamble having a signal field, the signal field comprising:

an indicator indicating the signal field is encoded with multiple fields comprising information associated with a frame type; and

a cyclic redundancy check field; and

means for the multiple fields comprising information associated with the frame type in the signal field of the frame, the information comprising:

type information indicating the frame type; and

additional information determined based on frame type,

wherein the frame type is at least one of a set of frame types, the set comprising: an acknowledgement frame; a power save poll frame; a clear to send frame; and a block acknowledgement frame; and

means for transmitting the frame.

38. The wireless device of claim **37**, wherein the indicator comprises a length field indicating the frame is encoded with multiple fields comprising information associated with the frame type.

39. The wireless device of claim **38**, wherein a value of 0 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

40. The wireless device of claim **38**, wherein a value less than 10 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

41. The wireless device of claim **40**, wherein the value indicates the frame type.

42. The wireless device of claim **37**, wherein the additional information comprises control information associated with the frame type.

43. The wireless device of claim **42**, wherein the control information comprises a transmit power indication field.

44. The wireless device of claim **42**, wherein the control information comprises an indicator of the bandwidth of the frame.

45. The wireless device of claim **37**, wherein the frame consists essentially of a physical layer preamble.

46. The wireless device of claim **37**, wherein the indicator comprises a single bit.

47. The wireless device of claim **37**, wherein the indicator comprises a reserved value of a field of the frame.

48. The wireless device of claim **37**, wherein the frame further comprises a control extension field, the control extension field comprising control information associated with the frame type.

49. The wireless device of claim **48**, wherein the control extension field has a predefined modulation coding scheme.

50. The wireless device of claim **37**, wherein the frame type is a request to send frame.

51. The wireless device of claim **37**, wherein the frame type is a block acknowledgment request frame.

52. The wireless device of claim **37**, wherein the frame type is at least one of a contention-free end frame and a contention-free end poll frame.

53. The wireless device of claim **37**, wherein the frame type is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

54. The wireless device of claim **37**, wherein the frame type is at least one of a probe request frame and a probe response frame.

55. A computer program product, comprising:

a non-transitory computer-readable medium comprising:

code for generating a frame comprising a physical layer preamble having a signal field, the signal field comprising:

an indicator indicating the signal field is encoded with multiple fields comprising information associated with a frame type; and

a cyclic redundancy check field;

code for encoding the multiple fields comprising information associated with the frame type in the signal field of the frame, the information comprising:

type information indicating the frame type; and

additional information determined based on frame type,

wherein the frame type is at least one of a set of frame types, the set comprising: an acknowledgement frame; a power save poll frame; a clear to send frame; and a block acknowledgement frame; and

code for transmitting the frame.

56. The computer program product of claim **55**, wherein the indicator comprises a length field indicating the frame is encoded with multiple fields comprising information associated with the frame type.

57. The computer program product of claim **56**, wherein a value of 0 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

58. The computer program product of claim **56**, wherein a value less than 10 for the length field indicates the frame is encoded with multiple fields comprising information associated with the frame type.

59. The computer program product of claim **58**, wherein the value indicates the frame type.

60. The computer program product of claim **55**, wherein the additional information comprised control information associated with the frame type.

61. The computer program product of claim **60**, wherein the control information comprises a transmit power indication field.

62. The computer program product of claim **60**, wherein the control information comprises an indicator of the bandwidth of the frame.

63. The computer program product of claim **55**, wherein the frame consists essentially of a physical layer preamble.

64. The computer program product of claim **55**, wherein the indicator comprises a single bit.

65. The computer program product of claim **55**, wherein the indicator comprises a reserved value of a field of the frame.

66. The computer program product of claim **55**, wherein the frame further comprises a control extension field, the control extension field comprising control information associated with the frame type.

67. The computer program product of claim **66**, wherein the control extension field has a predefined modulation coding scheme.

68. The computer program product of claim **55**, wherein the frame type is a request to send frame.

69. The computer program product of claim **55**, wherein the frame type is a block acknowledgment request frame.

70. The computer program product of claim **55**, wherein the frame type is at least one of a contention-free end frame and a contention-free end poll frame.

71. The computer program product of claim **55**, wherein the frame type is at least one of a modulation coding scheme request frame and a modulation coding scheme response frame.

72. The computer program product of claim **55**, wherein the frame type is at least one of a probe request frame and a probe response frame.