CLAIMS

1. A method for wireless communications, comprising: obtaining a payload to be transmitted; partitioning the payload into a plurality of blocks; partitioning each block of the plurality of blocks into a plurality of sections; deriving redundancy check information for each section of the plurality of sections; generating a plurality of codewords, each comprising a block of the plurality of blocks and the redundancy check information for each section of the block, wherein the sections in a respective codeword of the plurality of codewords are arranged in the codeword based on an error rate corresponding to each of the sections; transmitting the plurality of codewords to a wireless node; and receiving feedback from the wireless node indicating whether the plurality of sections of each block were decoded by the wireless node, wherein the feedback comprises one or more bits.

2. The method of claim 1, wherein the plurality of sections of each block comprises a first section, a second section, and a third section, and wherein the first section of each block has a lower error rate than the second section of each block and the second section of each block has a lower error rate than the third section of each block.

3. The method of claim 2, wherein: receiving the feedback comprises receiving an indication that the first section of each block or the second section of each block was not decoded; the method further comprises: determining whether the third section of each block was decoded based on the indication; and retransmitting the third section of each block based on the determination.

4. The method of claim 1, wherein the plurality of sections of each block comprises at least three sections, and wherein the indication comprises a fewer number of bits than a number of sections of each block.

5. The method of claim 1, wherein: receiving the feedback comprises receiving an indication that two sections of each block were not decoded, wherein the indication comprises a bit corresponding to each of the two sections; and the method further comprises re-transmitting the two sections of each block based on the indication.

6. The method of claim 1, wherein the redundancy check information comprises a cyclic redundancy check (CRC).

7. The method of claim 1, wherein the codewords are encoded using polar coding.

8. A method for wireless communications, comprising: receiving a plurality of codewords, each comprising a plurality of blocks, wherein each of the plurality of blocks comprises a plurality of sections and redundancy check information for each section of the plurality of sections, wherein the plurality of sections in a respective codeword of the plurality of codewords are arranged in the codeword based on an error rate corresponding to each of the plurality of sections of each block; decoding the plurality of sections of each block; verifying whether the plurality of sections of each block were decoded based on the redundancy check information for each of the decoded sections; and transmitting feedback comprising an indication of whether the plurality of sections of each block was decoded based on the verification, wherein the feedback comprises one or more bits.

9. The method of claim 8, wherein the plurality of sections of each block comprises at least three sections, and wherein the indication comprises a fewer number of bits than a number of sections of the plurality of sections.

10. The method of claim 8, wherein the plurality of sections of each block comprises a first section, a second section, and a third section, and wherein the first section of each block has a lower error rate than the second section of each block and the second section of each block has a lower error rate than the third section of each block.

11. The method of claim 10, wherein the indication comprises a first bit used to indicate whether the second section of each block was decoded and a second bit used to indicate whether the third section of each block was decoded.

12. The method of claim 8, further comprising: transmitting an indication of whether two sections of each block were decoded based on the verification, wherein the indication comprises a bit corresponding to each of the two sections.

13. The method of claim 8, wherein the redundancy check information comprises a cyclic redundancy check (CRC).

14. The method of claim 8, wherein the decoding comprises performing CRC-aided successive cancellation list (CA-SCL) decoding based on the redundancy check information.

15. The method of claim 8, wherein the codewords are encoded using polar coding.

16. An apparatus for wireless communications, comprising: means for obtaining a payload to be transmitted; means for partitioning the payload into a plurality of blocks; means for partitioning each block of the plurality of blocks into a plurality of sections; means for deriving redundancy check information for each section of the plurality of sections; means for generating a plurality of codewords, each comprising a block of the plurality of blocks and the redundancy check information for each section of the block, wherein the sections in a respective codeword of the plurality of codewords are arranged in the codeword based on an error rate corresponding to each of the sections; means for transmitting the plurality of codewords to a wireless node; and means for receiving feedback from the wireless node indicating whether the plurality of sections of each block were decoded by the wireless node, wherein the feedback comprises one or more bits.

17. The apparatus of claim 16, wherein the plurality of sections of each block comprises a first section, a second section, and a third section, and wherein the first section of each block has a lower error rate than the second section of each block and the second section of each block has a lower error rate than the third section of each block.

18. The apparatus of claim 17, wherein: the means for receiving feedback comprises means for receiving an indication that the first section of each block or the second section of each block was not decoded; the apparatus further comprising: means for determining whether the third section of each block was decoded based on the indication; and means for retransmitting the third section of each block based on the determination.

19. The apparatus of claim 16, wherein the plurality of sections of each block comprise at least three sections, and where the indication comprises a fewer number of bits than a number of sections of each block.

20. The apparatus of claim 16, wherein: the means for receiving the feedback comprises means for receiving an indication that two sections of each block were not decoded, wherein the indication comprises a bit corresponding to each of the two sections; and the apparatus further comprises means for re-transmitting the two sections of each block based on the indication.

21. The apparatus of claim 16, wherein the redundancy check information comprises a cyclic redundancy check (CRC).

22. The apparatus of claim 16, wherein the codewords are encoded using polar coding.

23. An apparatus for wireless communications, comprising: means for receiving a plurality of codewords, each comprising a plurality of blocks, wherein each of the plurality of blocks comprises a plurality of sections and redundancy check information for each section of the plurality of sections, wherein the plurality of sections in a respective codeword of the plurality of codewords are arranged in the codeword based on an error rate corresponding to each of the plurality of sections of each block; means for decoding the plurality of sections of each block; means for verifying whether the plurality of sections of each block were decoded based on the redundancy check information for each of the decoded sections; and means for transmitting feedback comprising an indication of whether the plurality of sections of each block was decoded based on the verification, wherein the feedback comprises one or more bits.

24. The apparatus of claim 23, wherein the plurality of sections of each block comprises at least three sections, and wherein the indication comprises a fewer number of bits than a number of sections of the plurality of sections.

25. The apparatus of claim 23, wherein the plurality of sections of each block comprises a first section, a second section, and a third section, and wherein the first section of each block has a lower error rate than the second section of each block and the second section of each block has a lower error rate than the third section of each block.

26. The apparatus of claim 25, wherein the indication comprises a first bit used to indicate whether the second section of each block was decoded and a second bit used to indicate whether the third section of each block was decoded.

27. The apparatus of claim 23, further comprising: means for transmitting an indication of whether two sections of each block were decoded based on the verification, wherein the indication comprises a bit corresponding to each of the two sections.

28. The apparatus of claim 23, wherein the redundancy check information comprises a cyclic redundancy check (CRC).

29. The apparatus of claim 23, wherein the means for decoding comprises means for performing CRC-aided successive cancellation list (CA-SCL) decoding based on the redundancy check information.

30. The apparatus of claim 23, wherein the codewords are encoded using polar coding.