CLAIMS

1. A method of wireless communication, comprising:

receiving, by a first wireless communication device, synchronization information associated with one or more wireless relay devices;

adjusting, by the first wireless communication device, one or more synchronization references of the first wireless communication device based on at least a subset of the received synchronization information; and

communicating, by the first wireless communication device with the one or more wireless relay devices, communication signals in synchronization with the one or more adjusted synchronization references, wherein at least one of the communication signals includes backhaul data.

2. The method of claim 1, wherein the receiving includes:

receiving, by the first wireless communication device from a first wireless relay device of the one or more wireless relay devices, a message including at least one of timing information associated with a synchronization reference of the first wireless relay device or frequency information associated with the synchronization reference of the first wireless relay device.

3. The method of claim 1, wherein the receiving includes:

receiving, by the first wireless communication device from a first wireless relay device of the one or more wireless relay devices, a synchronization reference signal that is based on a synchronization reference of the first wireless relay device.

4. The method of claim 1,

wherein the receiving includes:

receiving priority levels associated with sources of the synchronization information, and

wherein the adjusting includes:

selecting the subset of the received synchronization information based on the priority levels.

5. The method of claim 1,

wherein the receiving includes:

receiving priority levels associated with hop counts of the one or more wireless relay devices with respect to an original synchronization reference source, and

wherein the adjusting includes:

selecting the subset of the received synchronization information based on the priority levels.

6. The method of claim 1, wherein the receiving includes:

receiving, by the first wireless communication device from a central entity, the synchronization information.

7. The method of claim 1, further comprising:

receiving, by the first wireless communication device from an external synchronization source, at least one of timing information or frequency information of the external synchronization source; and

adjusting the one or more synchronization references further based on the at least one of timing information or frequency information of the external synchronization source.

8. The method of claim 1, further comprising:

transmitting, by the first wireless communication device, a message requesting the synchronization information.

9. The method of claim 1, further comprising:

transmitting, by the first wireless communication device, synchronization information associated with the one or more synchronization references based on at least one of a schedule, a synchronization information request, a measurement of the one or more synchronization references, or the adjusting of the one or more synchronization references.

10. The method of claim 1, further comprising:

communicating, by the first wireless communication device with a second wireless communication device, a second communication signal including access data.

11. The method of claim 1, further comprising:

transmitting, by the first wireless communication device, a message requesting the one or more wireless relay devices to resynchronize to the one or more adjusted synchronization references.

12. The method of claim 1, wherein the communicating includes:

communicating, by the first wireless communication device with a first wireless relay device of the one or more wireless relay devices, a first communication signal based on a first synchronization reference of the one or more synchronization references; and

communicating, by the first wireless communication device with a second wireless communication device, a second communication signal based on a second synchronization reference of the one or more synchronization references that is different than the first synchronization reference.

13. The method of claim 12, wherein the communicating includes communicating the first communication signal concurrent with the second communication signal.

14. The method of claim 12, wherein the communicating includes communicating the first communication signal and the second communication signal during different time periods.

15. A method of wireless communication, comprising:

receiving, by a central entity from one or more wireless relay devices, synchronization information associated with the one or more wireless relay devices;

determining, by the central entity, a synchronization reference adjustment for a first wireless relay device of the one or more wireless relay devices based on at least a subset of the received synchronization information; and

transmitting, by the central entity, a message instructing the first wireless relay device of the one or more wireless relay devices to synchronize a communication with a second wireless relay device of the one or more wireless relay devices based on the synchronization reference adjustment.

16. The method of claim 15, wherein the receiving includes:

receiving at least one of frequency information or timing information associated with one or more synchronization references.

17. The method of claim 15,

wherein the receiving includes:

receiving priority levels associated with sources of the synchronization information, and

wherein the determining includes:

selecting the subset of the received synchronization information based on the priority levels.

18. The method of claim 15,

wherein the receiving includes:

receiving priority levels associated with hop counts of the one or more wireless relay devices with respect to an original synchronization reference source, and

wherein the determining includes:

selecting the subset of the received synchronization information based on the priority levels.

19. The method of claim 15, wherein the transmitting includes:

transmitting, by the central entity, at least one of a timing adjustment or a frequency adjustment for a synchronization reference of the first wireless relay device.

20. An apparatus comprising:

a transceiver configured to receive synchronization information associated with one or more wireless relay devices; and

a processor configured to adjust one or more synchronization references of the apparatus based on at least a subset of the received synchronization information,

wherein the transceiver is further configured to communicate, with the one or more wireless relay devices, communication signals in synchronization with the one or more adjusted synchronization references, wherein at least one of the communication signals includes backhaul data.

21. The apparatus of claim 20, wherein the transceiver is further configured to receive the synchronization information by:

receiving, from a first wireless relay device of the one or more wireless relay devices, a message including at least one of timing information associated with a synchronization reference of the first wireless relay device or frequency information associated with the synchronization reference of the first wireless relay device.

22. The apparatus of claim 20, wherein the transceiver is further configured to receive the synchronization information by:

receiving, from a first wireless relay device of the one or more wireless relay devices, a synchronization reference signal that is based on a synchronization reference of the first wireless relay device.

23. The apparatus of claim 20,

wherein the transceiver is further configured to receive the synchronization information by:

receiving priority levels associated with sources of the synchronization information, and

wherein the processor is further configured to adjust the one or more synchronization references by:

selecting the subset of the received synchronization information based on the priority levels.

24. The apparatus of claim 20,

wherein the transceiver is further configured to receive the synchronization information by:

receiving priority levels associated with hop counts of the one or more wireless relay devices with respect to an original synchronization reference source, and

wherein the processor is further configured to adjust the one or more synchronization references by:

selecting the subset of the received synchronization information based on the priority levels.

25. The apparatus of claim 20, wherein the transceiver is further configured to receive the synchronization information by:

receiving, from a central entity, the synchronization information.

26. The apparatus of claim 20,

wherein the transceiver is further configured to:

receive, from an external synchronization source, at least one of timing information or frequency information of the external synchronization source, and

wherein the processor is further configured to:

adjust the one or more synchronization references further based on the at least one of timing information or frequency information of the external synchronization source.

27. The apparatus of claim 20, wherein the transceiver is further configured to:

transmit a message requesting the synchronization information.

28. The apparatus of claim 20, wherein the transceiver is further configured to:

transmit synchronization information associated with the one or more synchronization references based on at least one of a schedule, a synchronization information request, a measurement of the one or more synchronization references, or the adjustment of the one or more synchronization references.

29. The apparatus of claim 20, wherein the transceiver is further configured to:

communicate, with a wireless communication device, a second communication signal including access data.

30. The apparatus of claim 20, wherein the transceiver is further configured to:

transmit a message requesting the one or more wireless relay devices to resynchronize to the one or more adjusted synchronization references.

31. The apparatus of claim 20, wherein the transceiver is further configured to communicate the communication signals by:

communicating, with a first wireless relay device of the one or more wireless relay devices, a first communication signal of the communication signals based on a first synchronization reference of the one or more synchronization references; and

communicating, with a wireless communication device, a second communication signal of the communication signals based on a second synchronization

reference of the one or more synchronization references that is different than the first synchronization reference.

32. The apparatus of claim 31, wherein the communicating includes communicating the first communication signal concurrent with the second communication signal.

33. The apparatus of claim 31, wherein the communicating includes communicating the first communication signal and the second communication signal during different time periods.

34. An apparatus comprising:

a transceiver configured to receive, from one or more wireless relay devices, synchronization information associated with the one or more wireless relay devices; and

a processor configured to determine a synchronization reference adjustment for a first wireless relay device of the one or more wireless relay devices based on at least a subset of the received synchronization information,

wherein the transceiver is further configured to transmit a message instructing the first wireless relay device of the one or more wireless relay devices to synchronize a communication with a second wireless relay device of the one or more wireless relay devices based on the synchronization reference adjustment.

35. The apparatus of claim 34, wherein the transceiver is further configured to receive the synchronization by:

receiving at least one of frequency information or timing information associated with one or more synchronization references.

36. The apparatus of claim 34,

wherein the transceiver is further configured to receive the synchronization by:

receiving priority levels associated with sources of the synchronization information, and

wherein the processor is further configured to determine the synchronization reference adjustment by:

selecting the subset of the received synchronization information based on the priority levels.

37. The apparatus of claim 34,

wherein the transceiver is further configured to receive the synchronization by:

receiving priority levels associated with hop counts of the one or more wireless relay devices with respect to an original synchronization reference source, and

wherein the processor is further configured to determine the synchronization reference adjustment by:

selecting the subset of the received synchronization information based on the priority levels.

38. The apparatus of claim 34, wherein the transceiver is further configured to transmit the message by:

transmitting the message including at least one of a timing adjustment or a frequency adjustment for a synchronization reference of the first wireless relay device.