What is claimed is:

1. A method, comprising:

determining a network topology that includes devices within a mesh network by performing a network discovery technique for identifying the devices within the mesh network, the devices including at least a first device, a second device, and a third device;

determining that the second device and the third device are associated with a first group and that the first device is associated with a second group;

at the first device within the mesh network, identifying that the second device, that is a neighbor of the first device, is wirelessly disconnected from the third device that is a neighbor of the first device;

establishing the first device as a bridge device that acts as a proxy for at least one of the second device or the third device; and

using the bridge device to communicate a message to at least one of the second device or the third device, wherein communicating the message via the bridge device reduces repeated rebroadcasts within the mesh network,

wherein the first device and the second device are smart meters that are connected to transformers in a smart electrical grid.

2. The method of claim 1, further comprising sending, from the first device, a bridge notification message to the second device and the third device that identifies that the first device is available as a bridge device.

3. The method of claim 1, further comprising receiving, by the first device, a bridge request message from at least one of the second device or the third device that requests the first device to act as the bridge device.

4. The method of claim 1, further comprising performing asymmetric authentication to authenticate the first device.

5. The method of claim 1, wherein the first group includes first devices that are attached to a first transformer, and the second group includes one or more second group devices attached to a second transformer.

6. The method of claim 1, further comprising detecting a change to at least one of the first group or the second group, and in response to detecting the change updating a membership of the at least one of the first group or the second group.

7. A system, comprising:

devices coupled to a mesh network, the devices including at least a first device, a second device, and a third device; one or more processors; and

one or more computer-readable media storing computer-executable instructions that, when executed, cause the one or more processors of a device to perform operations comprising:

determining a network topology that includes devices within the mesh network by performing a network discovery technique for identifying the devices within the mesh network;

determining that the second device and the third device are associated with a first group and that the first device is associated with a second group;

identifying that the second device, that is a neighbor of the first device, is wirelessly disconnected from the third device that is a neighbor of the first device;

establishing the first device as a bridge device that acts as a proxy for at least one of the second device or the third device; and

using the bridge device to communicate a message to at least one of the second device or the third device, wherein communicating the message via the bridge device reduces repeated rebroadcasts within the mesh network,

wherein the first device and the second device are smart meters that are connected to transformers in a smart electrical grid.

8. The system of claim 7, the operations further comprising sending a bridge notification message to the second device and the third device that identifies that the first device is available as a bridge device.

9. The system of claim 7, the operations further comprising receiving a bridge request message from at least one of the second device or the third device that requests the first device to act as the bridge device.

10. The system of claim 7, the operations further comprising performing asymmetric authentication to authenticate at least one of the first device, the second device, and the third device.

11. The system of claim 7, wherein the first group includes first group devices that are attached to a first transformer, and the second group includes one or more second group devices attached to a second transformer.

12. The system of claim 7, the operations further comprising detecting a change to at least one of the first group or the second group, and in response to detecting the change updating a membership of the at least one of the first group or the second group.

13. A device, comprising:

a communication interface operable to communicate with other devices within a mesh network, the other devices including at least a second device and a third device;

one or more processors; and

one or more computer-readable media storing computer-executable instructions that, when executed, cause the one or more processors of the device to perform operations comprising:

determining a network topology that includes the device and the other devices within the mesh network by performing a network discovery technique for identifying the other devices within the mesh network;

determining that the second device and the third device are associated with a first group and that the device is associated with a second group;

identifying that the second device, that is a neighbor of the device, is wirelessly disconnected from the third device that is a neighbor of the device;

establishing the device as a bridge device that acts as a proxy for at least one of the second device or the third device; and

communicating a message to at least one of the second device or the third device, wherein communicating the message reduces repeated rebroadcasts within the mesh network,

wherein the device, the second device, and the third device are smart meters that are connected to transformers in a smart electrical grid.

14. The device of claim 13, the operations further comprising sending a bridge notification message to the second device and the third device that identifies that the device is available as a bridge device.

15. The device of claim 13, the operations further comprising receiving a bridge request message from at least one of the second device or the third device that requests the device to act as the bridge device.

16. The device of claim 13, wherein the device is connected to a first transformer of the transformers, and the second device and the third device are attached to a second transformer of the transformers.