

leaving the first NAN cluster is after the step of sending the event message.

7. The method according to any one of claims 1 to 6, wherein the leaving the first NAN cluster comprises:

5 stop participating in contending for serving as a synchronization device in the first NAN cluster.

8. A wireless network device comprising:

a memory storing computer executable instructions for the wireless network device in a first Neighbor Awareness Network device cluster (NAN cluster) to join a second NAN cluster, wherein each of the first and second NAN clusters is a Wi-Fi
10 NAN cluster of Wi-Fi Alliance and comprises a plurality of wireless network devices;

a processor is configured to execute the computer executable instructions to perform operations of:

discovering the second NAN cluster;

15 determining to join the second NAN cluster based on attribute information obtained regarding the second NAN cluster;

sending an event message to other wireless network devices in the first NAN cluster to propagate information regarding the second NAN cluster, wherein the event message comprises a part or all of the obtained attribute information of the
20 second NAN cluster;

joining the second NAN cluster; and

leaving the first NAN cluster;-

wherein the operation of determining comprises: calculating a first score based on multiple pieces of attribute information of the first NAN cluster, and a second
25 score based on multiple pieces of attribute information of the second NAN cluster;

comparing the first score and the second score;

determining to join the second NAN cluster when the second score is greater