

CLAIMS

What is Claimed:

1. A method for use in wireless transmit/receive unit (WTRU) which assesses both a first network and a second network to receive radio frames from each of the first network and the second network, the method comprising:

obtaining a first paging occasion (PO) as the first network's current PO and a second PO as the second network's current PO;

determining whether there is a PO collision between the first PO and the second PO, on condition that there is the PO collision, selecting a network from the first network and the second network, and sending a request to the selected network;

receiving, from the selected network, a collision avoidance parameter corresponding to the request; and

calculating a third PO for the selected network using the collision avoidance parameter, and using the third PO as the selected network's current PO.

2. The method of claim 1, wherein the obtaining the first PO and the second PO further comprises:

calculating the first PO using a first parameter; and

calculating the second PO using a second parameter, wherein

on condition that the selected network is the first network, the collision avoidance parameter is different from the first parameter; and

on condition that the selected network is the second network, the collision avoidance parameter is different from the second parameter.

3. The method of claim 1, the request comprises an overlapping pattern indication indicating when the first PO and the second PO are overlapping.

4. The method of claim 1, the selecting a network from the first network and the second network is based on an operator policy or a power optimization preference of the WTRU.

5. The method of claim 1, the collision avoidance parameter comprises a WTRU ID.

6. The method of claim 1, the collision avoidance parameter comprises a Discontinuous Reception (DRX) cycle.

7. A method used in wireless transmit/receive unit (WTRU) which assesses to both a first network and a second network to receive paging frames from each of the first network and the second network, the method comprising:

obtaining a first paging occasion (PO) as the first network's current PO and a second PO as the second network's current PO;

determining whether there is a first PO collision between the first PO and the second PO, on condition that there is the first PO collision, sending a request to the second network;

receiving, from the second network, a collision avoidance parameter corresponding to the request; and

calculating a third PO for the second network using the collision avoidance parameter, and substituting the third PO for the second PO as the second network's current PO.

8. The method of claim 7, wherein the obtaining the first PO and the second PO further comprises:

calculating the first PO using a first parameter; and

calculating the second PO using a second parameter, wherein

the collision avoidance parameter is different from the second parameter.

9. The method of claim 7, the request comprises an overlapping pattern indication indicating when the first PO and the second PO are overlapping.

10. The method of claim 7 further comprises determining whether there is a second PO collision between the first PO and the third PO.

11. The method of claim 7, the collision avoidance parameter comprises a WTRU ID.

12. The method of claim 7, the collision avoidance parameter comprises a Discontinuous Reception (DRX) cycle.

13. A wireless transmit/receive unit (WTRU) which assesses both of a first network and a second network to receive radio frames from each of the first network and the second network, the WTRU comprising:

a processor, configured to

obtain a first PO as the first network's current PO and a second PO as the second network's current PO; and

determine whether there is a PO collision between the first PO and the second PO, on condition that there is the PO collision, the processor is further configured to select a network from the first network and the second network, and

a transmitter, configured to send a request to the selected network and receive, from the selected network, a collision avoidance parameter corresponding to the request, wherein

the processor is further configured to calculate a third PO for the selected network using the collision avoidance parameter and to use the third PO as the selected network's current PO.

14. The WTRU of claim 13, in order to obtain the first PO, the processor is further configured to calculate the first PO using a first parameter; and

in order to obtain the second PO, the processor is further configured to calculate the second PO using a second parameter, wherein

on condition that the selected network is the first network, the collision avoidance parameter is different from the first parameter; and

on condition that the selected network is the second network, the collision avoidance parameter is different from the second parameter.

15. The WTRU of claim 13, the request comprises an overlapping pattern indication indicating when the first PO and the second PO are overlapping.

16. The WTRU of claim 13, the processor is configured to select the network based on an operator policy or a power optimization preference of the WTRU.

17. The WTRU of claim 13, the collision avoidance parameter comprises a WTRU ID.

18. The WTRU of claim 13, the collision avoidance parameter comprises a Discontinuous Reception (DRX) cycle.