CLAIMS

~~**What is claimed is:**~~

1. A method at a first node of a wireless communication network, comprising:

receiving, at ~~a~~ the first node of ~~a~~ the wireless communication network, a first ethernet frame comprising a first precision time protocol (PTP) message;

determining an ingress time for the first PTP message received at the first node;

receiving a second ethernet frame comprising a second PTP message associated with the first PTP message;

generating a packet data unit (PDU) for transmission to a second node of the wireless communication network based at least in part on the second ethernet frame, the PDU comprising a value corresponding to the ingress time for the first PTP message; and

transmitting the PDU to the second node.

2. The method of claim 1, wherein generating the PDU for transmission comprises:

appending the value corresponding to the ingress time for the first PTP message to the second ethernet frame in the PDU.

3. The method of claim 1, wherein generating the PDU for transmission further comprises:

modifying the second ethernet frame by overwriting a timestamp field of the second PTP message with the value corresponding to the ingress time.

4. The method of claim 1, wherein generating the PDU for transmission further comprises:

modifying the second ethernet frame by overwriting a field of a header of the second PTP message with the value corresponding to the ingress time.

5. The method of claim 1, wherein generating the PDU further comprises:

modifying the second ethernet frame by overwriting a type linked value (TLV) of the second PTP message with the value corresponding to the ingress time.

6. The method of claim 1, wherein generating the PDU further comprises:

adjusting the ingress time for the first PTP message to account for a link delay associated with the first PTP message.

7. The method of claim 1, further comprising:

providing an indication to the second node that an associated PDU session may carry PTP messages.

8. The method of claim 1, further comprising:

suppressing transmission of the first PTP message to the second node.

9. The method of claim 1, further comprising:

receiving an indicator of support of the second node for suppressing transmission of the first PTP message to the second node.

10. The method of claim 9, wherein the indicator is associated with a PDU session associated with the first and second PTP messages.

11. The method of claim 9, wherein the indicator is associated with the PDU.

12. The method of claim 1, further comprising:

signaling that the first node can filter Sync messages associated with the PTP message.

13. A method at a first node of a wireless communication network, comprising:

receiving, from a second node of the wireless communication network, a packet data unit (PDU) associated with first and second ethernet frames received at the second node, the first ethernet frame comprising a first precision time protocol (PTP) message, and the second ethernet frame comprising a second PTP message;

determining an ingress time for the first PTP message received at the second node based at least in part on the PDU; and

determining an adjustment for a timing parameter of the second PTP message based at least in part on the ingress time.

14. The method of claim 13, further comprising:

determining an egress time for a third ethernet frame comprising a modified version of the first PTP message; and

determining a residence time correction for the modified version of the first PTP message time by subtracting the ingress time from the egress time.

15. The method of claim 14, further comprising:

transmitting the third ethernet frame comprising a modified version of the second PTP message that identifies an adjustment to a time sensitive network, wherein a correction field of the modified version of the second PTP message is modified using the residence time correction.

16. The method of claim 13, wherein determining the ingress time comprises one of identifying a value corresponding to the ingress time for the first PTP message from an overwritten field of the second PTP message or identifying one or more octets corresponding to the ingress time in the PDU.

17. The method of claim 13, further comprising:

receiving an indication that a PDU session associated with the first and second PTP messages supports PTP messages.

18. The method of claim 13, wherein determining the adjustment further comprises:

adjusting the modified version of the second PTP message by setting the overwritten field in the PTP message to a configured value.

19. An apparatus for wireless communication, comprising:

means for receiving, at a first node of a wireless communication network, a first ethernet frame comprising a first precision time protocol (PTP) message;

means for determining an ingress time for the first PTP message received at the first node;

means for receiving a second ethernet frame comprising a second PTP message associated with the first PTP message;

means for generating a packet data unit (PDU) for transmission to a second node of the wireless communication network based at least in part on the second ethernet frame, the PDU comprising a value corresponding to the ingress time for the first PTP message; and

means for transmitting the PDU to the second node.

20. The apparatus of claim 19, wherein the means for generating the PDU for transmission further comprise:

means for appending the value corresponding to the ingress time for the first PTP message to the second ethernet frame in the PDU.

21. The apparatus of claim 19, wherein the means for generating the PDU for transmission further comprise:

means for adjust the ingress time for the first PTP message to account for a link delay associated with the first PTP message.

22. The apparatus of claim 19, further comprising:

means for providing an indication to the second node that an associated PDU session may carry PTP messages.

23. The apparatus of claim 19, further comprising:

means for suppressing transmission of the first PTP message to the second node.

24. The apparatus of claim 19, further comprising:

means for receiving an indicator of support of the second node for suppressing transmission of the first PTP message to the second node.

25. The apparatus of claim 24, wherein the indicator is associated with one of a PDU session associated with the first and second PTP messages or the PDU.

26. The apparatus of claim 19, further comprising:

means for signaling that the first node can filter Sync messages associated with the PTP message.

27. An apparatus for wireless communication, comprising:

means for receiving, from a ~~second~~ node of ~~the~~ a wireless communication network, a packet data unit (PDU) associated with first and second ethernet frames received at the ~~second~~ node, the first ethernet frame comprising a first precision time protocol (PTP) message, and the second ethernet frame comprising a second PTP message;

means for determining an ingress time for the first PTP message received at the ~~second~~ node based at least in part on the PDU; and

means for determining an adjustment for a timing parameter of the second PTP message based at least in part on the ingress time.

28. The apparatus of claim 27, further comprising:

means for determining an egress time for a third ethernet frame comprising a modified version of the first PTP message; and

means for determining a residence time correction for the modified version of the first PTP message time by subtracting the ingress time from the egress time.

29. The apparatus of claim 28, further comprising:

means for transmitting the third ethernet frame comprising a modified version of the second PTP message that identifies an adjustment to a time sensitive network, wherein a correction field of the modified version of the second PTP message is modified using the residence time correction.

30. The apparatus of claim 28, further comprising:

means for receiving an indication that a PDU session associated with the first and second PTP messages supports PTP messages.