CLAIMS

1. A method of managing quality of service (QoS) in a data network, the method comprising:

receiving at a user equipment (UE), from a core network (CN), QoS policy information for a data session, wherein the QoS policy information comprises an uplink (UL) token assigned to the data session by the CN that identifies the data session and a QoS policy utilized for the data session;

receiving at the UE an indication of a resource for communicating with the CN for the data session; and

transmitting a packet associated with the data session to the CN, wherein the packet comprises the UL token.

2. The method of claim 1, further comprising:

transmitting information indicating a request to establish the data session; and

receiving the QoS policy information from the CN in response to the request to establish the data session.

3. The method of claim 1, further comprising:

transmitting an unclassified uplink flow utilizing best-effort delivery; and

receiving the QoS policy information classifying the unclassified uplink flow as the data session.

4. The method of claim 1, further comprising:

transmitting an unclassified uplink flow, the unclassified uplink flow comprising an explicit QoS request; and

receiving the QoS policy information classifying the unclassified uplink flow as the data session.

5. The method of claim 1, further comprising:

transmitting an explicit QoS request to the CN utilizing control plane (CP) signaling; and

receiving the QoS policy information in response to the explicit QoS request.

6. A user equipment (UE) configured for wireless communication in a data network, comprising:

a processor;

a memory communicatively coupled to the processor; and

a transceiver communicatively coupled to the processor and configured for communication with a core network (CN) via an access network (AN) node,

wherein the processor and the memory are configured to:

receive, from the CN, quality of service (QoS) policy information for a data session, wherein the QoS policy information comprises an uplink (UL) token assigned to the data session by the CN that identifies the data session and a QoS policy utilized for the data session;

receive an indication of a resource for communicating with the CN for the data session; and

transmit a packet associated with the data session to the CN via the transceiver, wherein the packet comprises the UL token.

7. The UE of claim 6, wherein the processor and the memory are further configured to:

transmit information indicating a request to establish the data session; and

receive the QoS policy information from the CN in response to the request to establish the data session.

8. The UE of claim 6, wherein the processor and the memory are further configured for:

transmitting an unclassified uplink flow utilizing best-effort delivery; and

receiving the QoS policy information classifying the unclassified uplink flow as the data session.

9. The UE of claim 6, wherein the processor and the memory are further configured for:

transmitting an unclassified uplink flow, the unclassified uplink flow comprising an explicit QoS request; and

receiving the QoS policy information classifying the unclassified uplink flow as the data session.

10. The UE of claim 6, wherein the processor and the memory are further configured for:

transmitting an explicit QoS request to the CN utilizing control plane (CP) signaling; and

receiving the QoS policy information in response to the explicit QoS request.

11. A user equipment (UE) configured for wireless communication in a data network, comprising:

means for receiving, from a core network (CN), QoS policy information for a data session, wherein the QoS policy information comprises an uplink (UL) token assigned to the data session by the CN that identifies the data session and a QoS policy utilized for the data session;

means for receiving an indication of a resource for communicating with the CN for the data session; and

means for transmitting a packet associated with the data session to the CN, wherein the packet comprises the UL token.

12. The UE of claim 11, further comprising:

means for transmitting information indicating a request to establish the data session; and

means for receiving the QoS policy information from the CN in response to the request to establish the data session.

13. The UE of claim 11, further comprising:

means for transmitting an unclassified uplink flow utilizing best-effort delivery; and

means for receiving the QoS policy information classifying the unclassified uplink flow as the data session.

14. The UE of claim 11, further comprising:

means for transmitting an unclassified uplink flow, the unclassified uplink flow comprising an explicit QoS request; and

means for receiving the QoS policy information classifying the unclassified uplink flow as the data session.

15. The UE of claim 11, further comprising:

means for transmitting an explicit QoS request to the CN utilizing control plane (CP) signaling; and

means for receiving the QoS policy information in response to the explicit QoS request.

16. A non-transitory computer readable medium storing computer executable code comprising instructions for causing a user equipment (UE) configured for wireless communication in a data network to:

receive, from a core network (CN), quality of service (QoS) policy information for a data session, wherein the QoS policy information comprises an uplink (UL) token assigned to the data session by the CN that identifies the data session and a QoS policy utilized for the data session;

receive an indication of a resource for communicating with the CN for the data session; and

transmit a packet associated with the data session to the CN via the transceiver, wherein the packet comprises the UL token.

17. The non-transitory computer readable medium of claim 16, further comprising instructions for causing the UE to:

transmit information indicating a request to establish the data session; and

receive the QoS policy information from the CN in response to the request to establish the data session.

18 The non-transitory computer readable medium of claim 16, further comprising instructions for causing the UE to:

transmit an unclassified uplink flow utilizing best-effort delivery; and

receive the QoS policy information classifying the unclassified uplink flow as the data session.

19. The non-transitory computer readable medium of claim 16, further comprising instructions for causing the UE to:

transmit an unclassified uplink flow, the unclassified uplink flow comprising an explicit QoS request; and

receive the QoS policy information classifying the unclassified uplink flow as the data session.

20. The non-transitory computer readable medium of claim 16, further comprising instructions for causing the UE to:

transmit an explicit QoS request to the CN utilizing control plane (CP) signaling; and

receive the QoS policy information in response to the explicit QoS request.