

CLAIMS

1. A method of wireless communication, comprising:

transmitting (2105) a quality of service, QoS, message to a device, the QoS message including a request for a transmission opportunity for sending uplink data to the device, the QoS message comprising at least one of a sequence control field or a QoS control field, the at least one of a sequence control field or a QoS control field indicating a buffer size for a plurality of traffic identifiers, TIDs;
receiving (2110) a clear to transmit, CTX, message in response to the QoS message; and
transmitting (2115) data to the device in response to the CTX message.
2. The method of Claim 1, wherein the QoS message comprises a QoS data frame.
3. The method of Claim 1, wherein the QoS message comprises a QoS null frame.
4. The method of Claim 1, wherein the QoS message comprises a QoS field comprising the indication of transmission power.
5. The method of Claim 1, wherein the QoS message comprises a QoS field requesting one or more modulation and coding schemes, MCSs.
6. The method of Claim 1, wherein the QoS message comprises a sequence control field comprising the indication of transmission power.
7. The method of Claim 1, wherein the QoS message comprises a sequence control field requesting one or more modulation and coding schemes, MCSs.

8. The method of Claim 1, wherein said receiving comprises receiving the CTX message after the device receives QoS messages with buffer information from a plurality of uplink users.
9. An apparatus for wireless communication, comprising:
 - means for transmitting a quality of service, QoS, message to a device, the QoS message including a request for a transmission opportunity for sending uplink data to the device, the QoS message comprising at least one of a sequence control field or a QoS control field, the at least one of a sequence control field or a QoS control field indicating a buffer size for a plurality of traffic identifiers, TIDs;
 - means for receiving a clear to transmit, CTX, message in response to the QoS message; and
 - means for transmitting data to the device in response to the CTX message.
10. The apparatus of Claim 9, wherein the QoS message comprises a QoS data frame.
11. The apparatus of Claim 9,
 - wherein the QoS message comprises a QoS null frame,
 - or wherein the QoS message comprises a QoS field comprising the indication of transmission power,
 - or wherein the QoS message comprises a QoS field requesting one or more modulation and coding schemes, MCSs.
12. The apparatus of Claim 9,
 - wherein the QoS message comprises a sequence control field comprising the indication of transmission power,
 - or wherein the QoS message comprises a sequence control field requesting one or more modulation and coding schemes, MCSs.

13. The apparatus of Claim 9, wherein the means for receiving is configured to receive the CTX message after the device receives QoS messages with buffer information from a plurality of uplink users.

14. A computer program comprising code that, when executed on a computer, causes an apparatus to:

transmit (2105) a quality of service, QoS, message to a device, the QoS message including a request for a transmission opportunity for sending uplink data to the device, the QoS message comprising at least one of a sequence control field or a QoS control field, the at least one of a sequence control field or a QoS control field indicating a buffer size for a plurality of traffic identifiers, TIDs;

receive (2110) a clear to transmit, CTX, message in response to the QoS message; and

transmit (2115) data to the device in response to the CTX message.