CLAIMS

1. A user equipment (UE), comprising:
at least one memory; and
at least one processor coupled with the at least one processor and configured to cause the UE to:
receive an indication of a shared channel occupancy time (COT) from a COT initiating UE identified by a first identifier;
initiate a sidelink communication over a sidelink channel with a set of other UEs over an unlicensed band associated with the shared COT; and
perform a logical channel prioritization (LCP) procedure that comprises generating a sidelink transport block to be transmitted to the set of other UEs over the sidelink channel,
wherein the sidelink transport block comprises media access channel service data units (MAC SDUs) of one or more sidelink logical channels; and
wherein the LCP procedure utilizes sidelink logical channels of the one or more sidelink logical channels having:
an associated channel access priority class (CAPC) value that is equal to or smaller than a threshold CAPC value, and
an associated destination identifier that matches the first identifier of the COT initiating UE.

2. The UE of claim 1, wherein the UE receives the threshold CAPC value from COT sharing information within the indication of the shared COT.

3. The UE of claim 1, wherein the sidelink logical channels considered during the LCP procedure are associated with CAPC values that are equal to or smaller than the threshold CAPC value.

4. The UE of claim 1, wherein the UE performs the LCP procedure based at least in part on the destination identifier of the sidelink logical channels utilized during the LCP procedure.

5. The UE of claim 1, wherein each associated CAPC value for a logical channel is based on delay requirements of the logical channel.

6. The UE of claim 1, wherein the UE initiates the sidelink channel with the set of other UEs by selecting a sidelink grant.

7. A method performed by a user equipment (UE), the method comprising:

receiving an indication of a shared channel occupancy time (COT) from a COT initiating UE identified by a first identifier;

initiating a sidelink communication over a sidelink channel with a set of other UEs over an unlicensed band associated with the shared COT; and

performing a logical channel prioritization (LCP) procedure that comprises

generating a sidelink transport block to be transmitted to the set of other UEs over the initiated sidelink channel,

wherein the sidelink transport block comprises media access channel service data units (MAC SDUs) of one or more sidelink logical channels; and

wherein the LCP procedure utilizes sidelink logical channels of the one or more sidelink logical channels having:

an associated channel access priority class (CAPC) value that is equal to or smaller than a threshold CAPC value, and

an associated destination identifier that matches the first identifier of the COT initiating UE.

8. The method of claim 7, wherein the UE receives the threshold CAPC value from COT sharing information within the indication of the shared COT.

9. The method of claim 7, wherein the sidelink logical channels considered during the LCP procedure are associated with CAPC values that are equal to or smaller than the threshold CAPC value.

10. The method of claim 7, wherein the UE performs the LCP procedure based at least in part on the destination identifier of the sidelink logical channels utilized during the LCP procedure.

11. The method of claim 7, wherein each associated CAPC value for a logical channel is based on delay requirements of the logical channel.

12. The method of claim 7, wherein the UE initiates the sidelink channel with the set of other UEs by selecting a sidelink grant.

13. A user equipment (UE), comprising:

at least one memory; and

at least one processor coupled with the at least one processor and configured to cause the UE to:

initiate a channel occupancy time (COT) over an unlicensed band for sidelink communications between a set of UEs; and

transmit an indication of a shared COT to a recipient UE of the set of UEs,

wherein the indication of the shared COT comprises COT sharing information, including:

an identifier of the UE; and

a threshold channel access priority class (CAPC) value for sidelink logical channels utilized by the recipient UE during a logical channel prioritization (LCP) procedure over the shared COT.

14. The UE of claim 13, wherein the UE transmits the indication of the shared COT via radio resource control (RRC) signaling.

15. A processor for wireless communication, comprising:

at least one controller coupled with at least one memory and configured to cause the processor to:

receive an indication of a shared channel occupancy time (COT) from a COT initiating UE identified by a first identifier;

initiate a sidelink communication over a sidelink channel with a set of other UEs over an unlicensed band associated with the shared COT; and

perform a logical channel prioritization (LCP) procedure that comprises generating a sidelink transport block to be transmitted to the set of other UEs over the sidelink channel,

wherein the sidelink transport block comprises media access channel service data units (MAC SDUs) of one or more sidelink logical channels; and

wherein the LCP procedure utilizes sidelink logical channels of the one or more sidelink logical channels having:

an associated channel access priority class (CAPC) value that is equal to or smaller than a threshold CAPC value, and

an associated destination identifier that matches the first identifier of the COT initiating UE.