**Claims**

1. A user equipment (UE) for wireless communication, comprising:

at least one memory; and

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

transmit, to a first apparatus of a wireless communication network, a first message, wherein the first message comprises one or more parameters indicating sidelink positioning capabilities of the UE.

2. The UE of claim 1, wherein the first apparatus comprises an access and mobility management function (AMF).

3. The UE of claim 1 or 2, wherein the one or more parameters include one or more of:

a server-UE parameter, indicating whether the UE is a server-UE for location calculation for sidelink positioning;

an anchor-UE parameter, indicating whether the UE is an anchor-UE for supporting sidelink positioning;

an LTE positioning protocol (LPP) parameter, indicating whether the UE supports LPP; or

a sidelink positioning protocol (SLPP) parameter, indicating whether the UE supports SLPP.

4. The UE of claim 3, wherein the at least one processor is further configured to cause the UE to:

receive, from a second apparatus of the wireless communication network, a second message requesting sidelink positioning of a target UE, wherein the second message comprises:

one or more quality of service (QoS) requirements for location estimation of the target UE; and

one or more identifiers of one or more anchor-UEs in a target area of the target UE.

5. The UE of claim 4, wherein the at least one processor is further configured to cause the UE to determine an estimated location and associated location accuracy of the target UE, using the one or more QoS requirements and the one or more anchor-UEs.

6. The UE of claim 5, wherein the at least one processor is further configured to cause the UE to transmit, to the second apparatus, a third message, wherein the third message comprises the estimated location and associated location accuracy.

7. The UE of any one of claims 4-6, wherein the second apparatus comprises a location management function (LMF).

8. A first apparatus for wireless communication, comprising:
at least one memory; and
at least one processor coupled with the at least one memory and configured to cause the first apparatus to:

receive, from a consumer entity, a request for locating a target user equipment (UE) in a target area;

determine one or more UEs having respective sidelink positioning capabilities in the target area; and

transmit, to a second apparatus in a wireless communication network, a message indicating the one or more UEs and their respective sidelink positioning capabilities.

9. The first apparatus of claim 8, wherein the at least one processor is configured to cause the first apparatus to determine the one or more UEs by causing the first apparatus to receive, from the one or more UEs, one or more respective first messages, wherein each respective first message comprises one or more parameters indicating sidelink positioning capabilities of the respective UE.

10. The first apparatus of any one of claims 8-9, wherein the one or more parameters include one or more of:

a server-UE parameter, indicating whether the respective UE is a server-UE for location calculation for sidelink positioning;

an anchor-UE parameter, indicating whether the respective UE is an anchor-UE for supporting sidelink positioning;

an LTE positioning protocol (LPP) parameter, indicating whether the respective UE supports LPP; or

a sidelink positioning protocol (SLPP) parameter, indicating whether the respective UE supports SLPP.

11. The first apparatus of claim 10, wherein the message comprises a list of anchor-UE and server-UE in the target area of the target UE.

12. The first apparatus of claim 11, wherein each entry in the list comprises:
an identifier for the respective UE;
a location area of the respective UE; and
the sidelink positioning capabilities of the respective UE.

13. The first apparatus of any one of claims 8-12, wherein the request for locating the target UE in the target area comprises one or more quality of service (QoS) requirements for location estimation of the target UE, and wherein the message comprises the one or more QoS requirements.

14. The first apparatus of any one of claims 8-13, wherein the at least one processor is further configured to cause the first apparatus to determine the second apparatus based on a predetermined mapping of the target UE to the second apparatus.

15. The first apparatus of any one of claims 8-14, wherein the at least one processor is further configured to cause the first apparatus to receive, from the second apparatus, a second message comprising an estimated location and associated location accuracy of the target UE.

16. The first apparatus of any one of claims 8-15, wherein the first apparatus comprises an access and mobility management function (AMF), and the second apparatus comprises a location management function (LMF).

17. A second apparatus for wireless communication, comprising:
at least one memory; and

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

receive, from a first apparatus in a wireless communication network, a first message indicating one or more user equipment (UEs) and their respective sidelink positioning capabilities for locating a target UE in a target area;

determine a server-UE from the one or more UEs for performing location calculation for sidelink positioning of the target UE; and

transmit, to the server-UE, a second message requesting sidelink positioning of the target UE, wherein the second message comprises:

one or more quality of service (QoS) requirements for location estimation of the target UE; and

one or more identifiers of one or more anchor-UEs in the target area of the target UE.

18. The second apparatus of claim 17, wherein the sidelink positioning capabilities for each UE comprises one or more parameters including one or more of:

a server-UE parameter, indicating whether the UE is a server-UE for location calculation for sidelink positioning;

an anchor-UE parameter, indicating whether the UE is an anchor-UE for supporting sidelink positioning;

an LTE positioning protocol (LPP) parameter, indicating whether the UE supports LPP; or

a sidelink positioning protocol (SLPP) parameter, indicating whether the UE supports SLPP.

19. The second apparatus of claim 17 or 18, wherein the second apparatus is a location management function (LMF) and the first apparatus is an access and mobility management function (AMF).

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

transmitting, to a first apparatus of a wireless communication network, a first message that comprises one or more parameters indicating sidelink positioning capabilities of the UE.