Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for establishing a wireless local area network (WLAN) proximity service (ProSe) connectivity between a first WLAN ProSe capable wireless transmit/receive unit (WTRU) and a second WLAN ProSe capable WTRU, the method comprising:

receiving a request from the first WLAN ProSe capable WTRU to establish a WLAN ProSe connection to the second WLAN ProSe capable WTRU, the request including at least an application ~~level~~ layer identification (ID) that is an identification of the second WLAN ProSe capable WTRU~~, and an application ID that identifies a third party ProSe application server~~;

transmitting a configuration message with configuration information associated with the second WLAN ProSe capable WTRU, wherein the configuration information includes: a WLAN ProSe ID ~~of~~ that is associated with at least the second WLAN ProSe capable WTRU, a security key, ~~a medium access control (MAC) ID of the second WLAN ProSe capable WTRU,~~ a frequency or channel number, a beacon interval, and timing information; and

wherein the configuration message with configuration information associated with the second WLAN ProSe capable WTRU is an indication to establish the WLAN ProSe connection.

2. (Original) The method of claim 1, further comprising:

determining WLAN ProSe capabilities of the first WLAN ProSe capable WTRU and the second WLAN ProSe capable WTRU.

3-7. (Canceled)

8. (Original) The method of claim 1, wherein the configuration message is one of a radio resource control (RRC) or a Non-access stratum (NAS) message.

9. (Original) The method of claim 1, further comprising:

transmitting identification of established radio bearers that need to be switched to the WLAN ProSe connection.

10. (Previously Presented) The method of claim 1, further comprising:

receiving address information of the second WLAN ProSe capable WTRU at the first WLAN ProSe capable WTRU.

11. (Currently Amended) A method in a first WLAN ProSe capable wireless transmit/receive unit (WTRU) for establishing direct wireless local area network (WLAN) proximity service (ProSe) connectivity with a second WLAN ProSe capable WTRU, the method comprising:

transmitting a request from the first WLAN ProSe capable WTRU to establish a WLAN ProSe connection with the second WLAN ProSe capable WTRU , the request including at least an application ~~level~~ layer identification (ID) ~~of the~~ that is an identification of the second WLAN ProSe capable WTRU~~, and an application ID that identifies a third party ProSe application server~~;

receiving a configuration message with configuration information that is associated with the second WLAN ProSe capable WTRU, wherein the configuration information includes ~~at least~~: a WLAN ProSe ID [[of]] that is associated with at least the second WLAN ProSe capable WTRU, a security key, ~~a medium access control (MAC) ID of the second WLAN ProSe capable WTRU~~, a frequency or channel number, a beacon interval, and timing information[[;]].

wherein the configuration message with configuration information ~~associated with the second WLAN ProSe capable WTRU~~ is an indication to establish the WLAN ProSe connection; and

establishing a direct WLAN ProSe connection with the second WLAN ProSe capable WTRU based on the configuration message.

12. (Original) The method of claim 11, further comprising:

transmitting WLAN ProSe capabilities to a network node.

13. (Canceled)

14. (Original) The method of claim 11, further comprising:

transmitting location information of the first WLAN ProSe capable WTRU to the network node.

15. (Original) The method of claim 11, wherein the configuration message is one of a radio resource control (RRC) or a Non-access stratum (NAS) message.

16. (Currently Amended) A wireless transmit/receive unit (WTRU) that is a first WLAN ProSe WTRU for establishing direct wireless local area network (WLAN) proximity service (ProSe) connectivity with a second WLAN ProSe capable WTRU, the WTRU comprising:

a transmitter configured to transmit a request from the first WLAN ProSe capable WTRU to establish a WLAN ProSe connection with the second WLAN ProSe capable WTRU, the request including at least an application ~~level~~ layer identification (ID) ~~of the~~ that is an identification of the second WLAN ProSe capable WTRU~~, and an application ID that identifies a third party ProSe application server~~;;

a receiver configured to receive a configuration message with configuration information that is associated with the second WLAN ProSe capable WTRU, wherein the configuration information includes ~~at least~~: a WLAN ProSe ID [[of]] that is associated with at least the second WLAN ProSe capable WTRU, a security key, ~~a medium access control (MAC) ID of the second WLAN ProSe capable WTRU~~, a frequency or channel number, a beacon interval, and timing information[[;]].

wherein the configuration message with configuration information ~~associated with the second WLAN ProSe capable WTRU~~ is an indication to establish the WLAN ProSe connection; and

wherein the WTRU is configured to establish a direct WLAN ProSe connection with the second WLAN ProSe capable WTRU based on the configuration message.

17. (Original) The WTRU of claim 16, wherein the transmitter is further configured to transmit the WLAN ProSe capabilities to a network node.

18. (Canceled)

19. (Previously Presented) The WTRU of claim 16, wherein the transmitter is further configured to transmit location information of the first WLAN ProSe capable WTRU to a network node.

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