[0009] SUMMARY

[0010] The present invention is a method and system for efficiently handling various types of wireless services across multiple wireless access technologies for WTRUs that may operate in different types of networks.

[0010a] According to a first aspect of the present invention, there is provided a multi-wireless access technology capable (WAT-capable) wireless transmit receive unit (WTRU) comprising: a registration message generator configured to generate a registration message indicating that the WTRU is configured to communicate using an IEEE 802.11x technology; a transmitter configured to send the registration message via an IEEE 802.11x WLAN to a cellular network during registration with the cellular network; and a receiver configured to receive services from the cellular network via the WLAN; wherein the registration message further indicates that the WTRU is configured to receive Short Message Service (SMS) messages from the cellular network via the WLAN, and wherein the receiver is configured to receive services that include Short Message Service (SMS) messages.

[0010b] According to a second aspect of the present invention, there is provided a method for use in a wireless transmit/receive unit, the method comprising: creating a registration message indicating that the WTRU is capable of communicating using 802.11x technology; communicating the registration message via an IEEE 802.11x wireless local area network (WLAN) to a cellular network during registration with the cellular network; and receiving services from the cellular network via the WLAN; wherein the registration message further indicates that the WTRU is configured to receive Short Message Service (SMS) messages from the cellular network via the WLAN, and wherein receiving services includes Short Message Service (SMS) messages.

[0011] BRIEF DESCRIPTION OF THE DRAWING(S)

[0012] Figure 1 is a WTRU logical block diagram embodying the principles of the present invention.

[0013] Figure 2 is a block diagram of steps involved in performing a registration-based operation wherein a capability report is provided in accordance with present invention.

[0014] Figure 2A is a timeline illustration of the procedure illustrated in Figure 2.

[0015] Figure 3 is a block diagram of steps involved in performing a network-solicited operation wherein a capability report is provided in accordance with the present invention.

[0016] Figure 3A is a timeline illustration of the procedure illustrated in Figure 3.