[0007a] According to a first aspect, there is provided a method, implemented in a wireless transmit/receive unit (WTRU), for transmitting extended service request messages in a congested network, the method comprising: receiving a message including a timer value; setting a timer in the WTRU based on the timer value; and activating the timer, wherein the WTRU is configured to not attempt to transmit an extended service request message to a network for mobile originated (MO) services, except for MO circuit switched (CS) fallback for emergency calls, until the timer expires.

[0007b] According to a second aspect, there is provided a method, implemented in a wireless transmit/receive unit (WTRU), for transmitting extended service request messages in a congested network, the method comprising: receiving a message including a timer value; setting a timer in the WTRU based on the timer value; and activating the timer, wherein the WTRU is restricted from requesting services for mobile originated (MO) calls, except for MO circuit switched (CS) fallback for emergency calls, for as long as the timer is activated.

[0007c] According to a third aspect, there is provided a wireless transmit/receive unit (WTRU) comprising: a timer; a receiver configured to receive a message including a timer value; and a processor configured to set the timer based on the timer value, and activate the timer, wherein the processor prevents the WTRU from transmitting an extended service request message to a network for mobile originated (MO) services, except for MO circuit switched (CS) fallback for emergency calls, until the timer expires.

[0007d] According to a fourth aspect, there is provided a wireless transmit/receive unit (WTRU) comprising: a timer; a receiver configured to receive a message including a timer value; a processor configured to set the timer based on the timer value, and activate the timer, wherein the processor restricts the WTRU from requesting services for mobile originated (MO) calls, except for MO circuit switched (CS) fallback for emergency calls, for as long as the timer is activated.

CLAIMS

What is claimed is:

1. A method, implemented in a wireless transmit/receive unit, WTRU, for transmitting service request messages in a congested network, the method comprising:

receiving an attach accept message or a tracking area update accept message including a timer value;

setting a timer in the WTRU based on the timer value; and

activating the timer, wherein the WTRU is configured to not attempt to transmit a service request message to the congested network for mobile originated, MO, services, except for MO emergency calls, until the timer expires.

2. A wireless transmit/receive unit, WTRU, comprising:

a timer;

a receiver configured to receive an attach accept message or a tracking area update accept message including a timer value; and

a processor configured to set the timer based on the timer value, and activate the timer, wherein the processor is further configured to not attempt to transmit a service request message to a congested network for mobile originated, MO, services, except for MO emergency calls, until the timer expires.

3. A method, implemented by a wireless transmit/receive unit, WTRU, operating in a congested network, the method comprising:

receiving an attach accept message or a tracking area update accept message including a timer value;

setting a timer in the WTRU based on the timer value;

activating the timer;

receiving a page for a mobile terminated, MT, call; and

deactivating the timer in response to the page.

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Received at the EPO on Sep 11, 2012 23:20:21. Page 3 of 7

4. A wireless transmit/receive unit, WTRU, comprising:

a timer;

a processor configured to set the timer based on a timer value, and activate the timer; and

a receiver configured to receive an attach accept message or a tracking area update accept message including the timer value, and a page for a mobile terminated, MT, call, wherein the processor is further configured to deactivate the timer in response to the receiver receiving the page.

Duration: 11.09.2012 23:19:09 - 11.09.2012 23:20:21. This page 4 of 7 was completed at 11.09.2012 23:19:48
Received at the EPO on Sep 11, 2012 23:20:21. Page 4 of 7

CLAIMS

What is claimed is:

1. A method, implemented in a wireless transmit/receive unit (WTRU), for transmitting extended service request messages in a congested network, the method comprising:

receiving a message including a timer value;

setting a timer in the WTRU based on the timer value; and

activating the timer, wherein the WTRU is configured to not attempt to transmit an extended service request message to a network for mobile originated (MO) services, except for MO circuit switched (CS) fallback for emergency calls, until the timer expires.

2. The method of claim 1 wherein the message including the timer value is one of an attach accept message or a tracking area update (TAU) message.

3. The method of claim 1 wherein the extended service request message is an extended CS service request message.

4. The method of claim 1, wherein the received message further includes an evolved packet system mobility management (EMM) cause code indicating that CS service is temporarily unavailable for a time indicated by the timer value.

5. A method, implemented in a wireless transmit/receive unit (WTRU), for transmitting extended service request messages in a congested network, the method comprising:

receiving a message including a timer value;

setting a timer in the WTRU based on the timer value; and

activating the timer, wherein the WTRU is restricted from requesting services for mobile originated (MO) calls, except for MO circuit switched (CS) fallback for emergency calls, for as long as the timer is activated.

6. The method of claim 5 wherein the message including the timer value is one of an attach accept message or a tracking area update (TAU) message.

7. The method of claim 5, wherein the received message further includes an evolved packet system mobility management (EMM) cause code indicating that CS service is temporarily unavailable for a time indicated by the timer value.

8. A wireless transmit/receive unit (WTRU) comprising:

a timer;

a receiver configured to receive a message including a timer value; and

a processor configured to set the timer based on the timer value, and activate the timer, wherein the processor prevents the WTRU from transmitting an extended service request message to a network for mobile originated (MO) services, except for MO circuit switched (CS) fallback for emergency calls, until the timer expires.

9. The WTRU of claim 8 wherein the message including the timer value is one of an attach accept message or a tracking area update (TAU) message.

10. The WTRU of claim 8, wherein the received message further includes an evolved packet system mobility management (EMM) cause code indicating that CS service is temporarily unavailable for a time indicated by the timer value.

11. The WTRU of claim 8, further comprising an antenna, operatively connected to the receiver, configured to receive radio frequency (RF) signals.

12. A wireless transmit/receive unit (WTRU) comprising:

a timer;

a receiver configured to receive a message including a timer value;

a processor configured to set the timer based on the timer value, and activate the timer, wherein the processor restricts the WTRU from requesting services for mobile originated (MO) calls, except for MO circuit switched (CS) fallback for emergency calls, for as long as the timer is activated.

13. The WTRU of claim 12 wherein the message including the timer value is one of an attach accept message or a tracking area update (TAU) message.

14. The WTRU of claim 12, wherein the received message further includes an evolved packet system mobility management (EMM) cause code indicating that CS service is temporarily unavailable for a time indicated by the timer value.