CLAIMS

1. A method of providing an emergency signal to a wireless transmit receive unit (WTRU), the method comprising:

receiving a paging message including an emergency message notification;

based on the emergency message notification, receiving scheduling information for delivery of emergency system information messages in segmented and non-segmented emergency system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs; and

processing the emergency system information messages.

2. The method as in claim 1 further comprising receiving emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

3. The method as in claim 1 further comprising receiving an ETWS notification message based on information in a SIB.

4. The method as in claim 1 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

5. The method as in claim 1 wherein the emergency system information messages and non-emergency system information in SIBs are not received simultaneously.

6. A wireless transmit receive unit (WTRU) configured to receive an emergency signal, the WTRU comprising:

a receiver configured to receive a paging message including an emergency message notification and to receive scheduling information for delivery of emergency system information messages in segmented and non-segmented emergency system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs; and

a processor configured to process the emergency information messages.

7. The WTRU as in claim 6 wherein the receiver is further configured to receive emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

8. The WTRU as in claim 6 wherein the receiver is further configured to receive an ETWS notification message based on information in a SIB.

9. The WTRU as in claim 6 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

10. The WTRU as in claim 6 wherein the emergency system information messages and non-emergency system information in SIBs are not transmitted simultaneously.

11. A base station (BS) configured to transmit an emergency signal, the BS comprising:

a transmitter configured to transmit a paging message including an emergency message notification and to transmit scheduling information for delivery of emergency system information

messages in segmented and non-segmented emergency system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs.

12. The BS as in claim 11 wherein the transmitter is further configured to transmit emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

13. The BS as in claim 11 wherein the transmitter is further configured to transmit an ETWS notification message based on information in a SIB.

14. The BS as in claim 11 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

15. The BS as in claim 11 wherein the emergency system information messages and non-emergency system information in SIBs are not transmitted simultaneously.

Claims

1. A method of providing an emergency signal to a wireless transmit receive unit (WTRU), the method comprising:

receiving a paging message including an emergency message notification;

in response to the emergency message notification, receiving emergency system information messages in segmented emergency and tsunami warning system-system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs; and

processing the emergency system information messages.

2. The method as in claim 1 further comprising receiving emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

3. The method as in claim 1 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

4. The method as in claim 1 wherein the emergency system information messages and non-emergency system information in SIBs are not received simultaneously.

5. A wireless transmit receive unit (WTRU) configured to receive an emergency signal, the WTRU comprising:

a receiver configured to receive a paging message including an emergency message notification and emergency system information messages in segmented emergency and tsunami warning system-system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs; and

a processor configured to process the emergency information messages.

6. The WTRU as in claim 5 wherein the receiver is further configured to receive emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

7. The WTRU as in claim 5 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

8. The WTRU as in claim 5 wherein the emergency system information messages and non-emergency system information in SIBs are not transmitted simultaneously.

9. A base station (BS) configured to transmit an emergency signal, the BS comprising:

a transmitter configured to transmit a paging message including an emergency message notification and emergency system information messages in segmented emergency and tsunami warning system-system information blocks (ETWS-SIBs), wherein the ETWS-SIBs are interleaved with non-emergency SIBs.

10. The BS as in claim 9 wherein the transmitter is further configured to transmit emergency information messages within a periodically occurring time domain windows using dynamic scheduling.

11. The BS as in claim 9 wherein the segmented emergency system information messages are distributed over an emergency system information transmit period.

12. The BS as in claim 9 wherein the emergency system information messages and non-emergency system information in SIBs are not transmitted simultaneously.

oo