

CLAIMS

1. A method for wireless communication at a user equipment (115), comprising:

receiving (1405), from a base station (105) and while being outside of a radio resource control, RRC, connected state, an indication of a length of downlink symbols used to transmit a physical downlink shared channel, PDSCH, that carries broadcast information, the length being from a starting downlink symbol index to an ending downlink symbol index, wherein the indication of the length of downlink symbols used to transmit the PDSCH is received before a RRC configuration procedure between the UE and the base station; and

decoding (1410) the PDSCH based at least in part on the indication.
2. The method of claim 1, wherein the length is a fixed length of downlink symbols.
3. The method of claim 1, further comprising:

receiving a downlink control information, DCI, from the base station, wherein the indication of the length of downlink symbols used to transmit the PDSCH by the base station is received in the DCI.
4. The method of claim 3, further comprising:

identifying the length of downlink symbols used to transmit the PDSCH based at least in part on a bit value in a DCI field received in the DCI, wherein a demodulation reference signal, DMRS, pattern is associated with the bit value in the DCI field.
5. The method of claim 1, further comprising:

receiving control information in a master information block, MIB, on a physical broadcast channel, PBCH, from the base station;

determining the starting downlink symbol index of the PDSCH based at least in part on the control information in the MIB; and

determining the ending downlink symbol index of the PDSCH based at least in part on receiving control information in a DCI on a physical downlink control channel, PDCCH, from the base station, wherein decoding the PDSCH is based at least in part on the starting downlink symbol index and the ending downlink symbol index.

6. A method for wireless communication at a base station (105), comprising:

identifying (1605) a length of downlink symbols used to transmit a physical downlink shared channel (PDSCH) that carries broadcast information to a user equipment, UE, (115) while the UE is outside of a radio resource control, RRC, connected state, the length being from a starting downlink symbol index to an ending downlink symbol index; and

transmitting (1610), before a RRC procedure between the UE and a base station the indication to the UE.

7. The method of claim 1 or claim 6, wherein the broadcast information comprises remaining minimum system information, RMSI, or other system information, OSI, or both.

8. The method of claim 6, further comprising:
providing, to the UE, an indication of the starting downlink symbol index based at least in part on transmitting control information in a master information block, MIB, on a physical broadcast channel, PBCH.

9. The method of claim 6, further comprising:
assigning a set of downlink symbols for transmission of the PDSCH carrying the broadcast information based at least in part on a preconfigured rule; and
scheduling the PDSCH based at least in part on the assigned set of downlink symbols, wherein preferably the assigned set of downlink symbols is variable based at least in part on the PDSCH carrying RMSI or OSI.

10. The method of claim 9, further comprising:
identifying a plurality of downlink symbols associated with slot of a frame;
and
determining that the identified plurality of downlink symbols satisfy the assigned set of downlink symbols, wherein scheduling the PDSCH is based at least in part on the identified plurality of downlink symbols associated with the slot satisfying the assigned set of plurality of downlink symbols used to transmit the PDSCH.

11. The method of claim 10, further comprising:

determining that the identified plurality of downlink symbols is below the assigned set of downlink symbols; and

refraining from scheduling the PDSCH during the slot; or

determining that the identified plurality of downlink symbols is above the assigned set of downlink symbols;

truncating a set of unused downlink symbols associated with the slot, wherein scheduling the PDSCH is based at least in part on the truncating; and preferably puncturing the set of unused downlink symbols associated with the slot.

12. The method of claim 9, further comprising:

determining a minimum set of downlink symbols for transmission of the PDSCH carrying the broadcast information; and

determining a maximum set of downlink symbols for transmission of the PDSCH carrying the broadcast information.

13. The method of claim 6, further comprising:

transmitting the indication of the length of downlink symbols in a downlink control information, DCI, on a physical downlink control channel, PDCCH.

14. The method of claim 6, further comprising:

determining the length of downlink symbols used to transmit the PDSCH carrying broadcast information based at least in part on a preconfigured rule; and

assigning a bit value associated with a DCI field of the DCI, the bit value indicating the length of downlink symbols.

15. An apparatus for wireless communication, comprising:

means for performing the method of any preceding claim.