

Claims

1. A wireless communication method for use in an anchor node, the method comprising:
receiving, from a serving node, a context request associated with a wireless terminal and an indication for a small data transmission,
transmitting, to the serving node, a first message comprising configuration information of the small data transmission,
receiving, from the serving node, a second message comprising downlink information of the small data transmission, and
performing the small data transmission.
2. The wireless communication method of claim 1, wherein the first message is transmitted and the second message is received no later than transmitting a response message in response to a resume request.
3. The wireless communication method of claim 2, wherein the response message comprises a radio resource control release message.
4. The wireless communication method of any of claims 1 to 3, wherein the configuration information comprises at least one of an uplink address of the small data transmission or a radio link control configuration of the small data transmission.
5. The wireless communication method of any of claims 1 to 4, wherein the downlink information comprises a downlink cell group transport network layer address.
6. A wireless communication method for use in a serving node, the method comprising:
transmitting, to an anchor node, a context request associated with a wireless terminal and an indication for a small data transmission,
receiving, from the anchor node, a first message comprising configuration information of the small data transmission,
transmitting, to the anchor node, a second message comprising downlink information of the

small data transmission, and
performing the small data transmission.

7. The wireless communication method of claim 6, wherein the first message is received and the second message is transmitted no later than receiving a response message in response to a resume request.
8. The wireless communication method of claim 7, wherein the response message comprises a radio resource control release message.
9. The wireless communication method of any of claims 6 to 8, wherein the configuration information comprises at least one of an uplink address of the small data transmission or a radio link control configuration of the small data transmission.
10. The wireless communication method of any of claims 6 to 9, wherein the downlink information comprises a downlink cell group transport network layer address.
11. The wireless communication method of any of claims 6 to 10, further comprising:
establishing radio link control entities for the small data transmission based on the configuration information.
12. An anchor node, comprising:
a communication unit, configured to:
 receive, from a serving node, a context request associated with a wireless terminal and
 an indication for a small data transmission,
 transmit, to the serving node, a first message comprising configuration information of
 the small data transmission, and
 receive, from the serving node, a second message comprising downlink information of
 the small data transmission, and
a processor, configured to perform the small data transmission.

13. ~~The anchor node of claim 12, wherein the processor is further configured to perform the wireless communication method of any one of claims 2 to 5~~first message is transmitted and the second message is received no later than transmitting a response message in response to a resume request.

14. The anchor node of claim 13, wherein the response message comprises a radio resource control release message.

15. ~~14.~~The anchor node of claim 12, wherein the configuration information comprises at least one of an uplink address of the small data transmission or a radio link control configuration of the small data transmission.

16. The anchor node of claim 12, wherein the downlink information comprises a downlink cell group transport network layer address.

~~14~~17. A serving node, comprising:

a communication unit, configured to:

transmit, to an anchor node, a context request associated with a wireless terminal and an indication for a small data transmission,

receive, from the anchor node, a first message comprising configuration information of the small data transmission, and

transmit, to the anchor node, a second message comprising downlink information of the small data transmission, and

a processor, configured to perform the small data transmission.

18. The serving node of claim 17, wherein the first message is received and the second message is transmitted no later than receiving a response message in response to a resume request.

19. The serving node of claim 18, wherein the response message comprises a radio resource control

release message.

20. The serving node of claim 17, wherein the processor is further configured to establish radio link control entities for the small data transmission based on the configuration information.
- ~~15. A computer program product comprising a computer readable program medium code stored thereupon, the code, when executed by a processor, causing the processor to implement a wireless communication method recited in any one of claims 1 to 11.~~