[1] In a fifth aspect of the present disclosure, there is provided a method. The method comprises: determining at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the terminal device; and transmitting, to a source network node in a source cell of the terminal device, the at least one common LTM configuration in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration.

[2] In a sixth aspect of the present disclosure, there is provided a method. The method comprises: receiving, at a third apparatus and from a target network node for a terminal device, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a CHO and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the CHO of the terminal device; and transmitting the at least one common LTM configuration to the terminal device in a further message without duplicates of IEs comprising the at least one common LTM configuration.

[3] In a seventh aspect of the present disclosure, there is provided a first apparatus. The first apparatus comprises means for receiving, from a source network node for a first apparatus, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration, the first apparatus being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the first apparatus; and means for in accordance with a determination that a target cell is selected from the plurality of candidate target cells for the conditional handover, applying one of the at least one common LTM configuration related to the target cell.

[4] In an eighth aspect of the present disclosure, there is provided a second apparatus. The second apparatus comprises means for determining at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a

conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the terminal device; and means for transmitting, to a source network node in a source cell of the terminal device, the at least one common LTM configuration in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration.

[5] In a ninth aspect of the present disclosure, there is provided a third apparatus. The third apparatus comprises means for receiving, from a target network node for a terminal device, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a CHO and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the CHO of the terminal device; and means for transmitting the at least one common LTM configuration to the terminal device in a further message without duplicates of IEs comprising the at least one common LTM configuration.

[6] There is provided a computer readable medium. The computer readable medium comprises instructions stored thereon for causing an apparatus to perform at least the method according to the fourth aspect.

[7] There is provided a computer readable medium. The computer readable medium comprises instructions stored thereon for causing an apparatus to perform at least the method according to the fifth aspect.

[8] There is provided a computer readable medium. The computer readable medium comprises instructions stored thereon for causing an apparatus to perform at least the method according to the sixth aspect.

[9] It is to be understood that the Summary section is not intended to identify key or essential features of embodiments of the present disclosure, nor is it intended to be used to limit the scope of the present disclosure. Other features of the present disclosure will become easily comprehensible through the following description.

BRIEF DESCRIPTION OF THE DRAWINGS

WHAT IS CLAIMED IS:

1. A first apparatus comprising:

at least one processor; and

at least one memory storing instructions that, when executed by the at least one processor, cause the first apparatus at least to perform:

receiving, from a source network node for a first apparatus, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration, the first apparatus being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the first apparatus; and

in accordance with a determination that a target cell is selected from the plurality of candidate target cells for the conditional handover, applying one of the at least one common LTM configuration related to the target cell.

2. The apparatus of claim 1, wherein a common LTM configuration of the at least one common LTM configuration is comprised in an information element (IE) of a radio resource control (RRC) message.

3. The apparatus of any of claims 1 to 2, wherein the first apparatus is caused to perform:

receiving, from the source network node, a common LTM configuration across the plurality of candidate target cells as a part of a conditional reconfiguration for the terminal device.

4. The apparatus of claim 3, wherein the common LTM configuration is comprised in a first IE for the conditional reconfiguration in a RRC message, and

wherein the RRC message comprises a plurality of IEs for delta RRC reconfigurations corresponding to the plurality of candidate target cells, the first IE and the plurality of IEs being at a same level in an information structure in the RRC message.

5. The apparatus of any of claims 1 to 2, wherein the first apparatus is caused to perform:

receiving, from the source network node, the at least one common LTM configuration across the plurality of candidate target cells and a first indication indicating at least one condition for applying the at least one common LTM configuration, respectively.

6. The apparatus of claim 5, wherein the first indication indicates at least one condition to be evaluated by the terminal device for the conditional handover.

7. The apparatus of claim 5 or 6, wherein the at least one common LTM configuration is comprised in a first IE and the first indication is comprised in a second IE in a RRC message, the first IE and the second IE being at a same level in an information structure of in the RRC message.

8. The apparatus of any of claims 1 to 2, wherein the first apparatus is caused to perform:

receiving, from the source network node, the at least one common LTM configuration across the plurality of candidate target cells; and

receiving, from the source network node, a plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells, a delta RRC reconfiguration among the plurality of delta RRC reconfigurations comprising a second indication indicating one of the at least one common LTM configuration.

9. The apparatus of claim 8, wherein two or more second indications in two or more of the plurality of delta RRC reconfigurations point to a same one of the at least one common LTM configuration.

10. The apparatus of claim 8 or 9, wherein the plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells and the at least one common LTM configuration are comprised in a level of a RRC message, and the at least one common LTM configuration is comprised in another level of the RRC message than the plurality of delta RRC reconfigurations.

11. The apparatus of any of claims 1 to 10, wherein the conditional handover comprises conditional LTM, and/or

wherein the first apparatus is or is comprised in a central unit (CU) of a target network node for the terminal device.

12. The apparatus of any of claims 1 to 11, wherein the conditional handover comprises conditional LTM, and/or

wherein the first apparatus is or is comprised in the terminal device.

13. A second apparatus comprising:

at least one processor; and

at least one memory storing instructions that, when executed by the at least one processor, cause the second apparatus at least to perform:

determining at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the terminal device; and

transmitting, to a source network node in a source cell of the terminal device, the at least one common LTM configuration in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration.

14. The apparatus of claim 13, wherein the second apparatus is caused to perform:

identifying, from the plurality of candidate target cells for the conditional handover of the terminal device, two or more candidate target cells sharing an LTM configuration; and

determining the common LTM configuration corresponding to the shared LTM configuration of the two or more candidate target cells.

15. The apparatus of claim 13, wherein a common LTM configuration of the at least one common LTM configuration is comprised in an information element (IE) of a radio resource control (RRC) message.

16. The apparatus of any of claims 13 to 15, wherein the second apparatus is caused to perform:

transmitting, to the source network node, a common LTM configuration across the plurality of candidate target cells as a part of a conditional reconfiguration for the terminal device.

17. The apparatus of claim 16, wherein the common LTM configuration is comprised in a first IE for the conditional reconfiguration in a RRC message, and

wherein the RRC message comprises a plurality of IEs for delta RRC reconfigurations corresponding to the plurality of candidate target cells, the first IE and the plurality of IEs being at a same level in an information structure in the RRC message.

18. The apparatus of any of claims 13 to 15, wherein the second apparatus is caused to perform:

transmitting, to the source network node, the at least one common LTM configuration across the plurality of candidate target cells and a first indication indicating at least one condition for applying the at least one common LTM configuration, respectively.

19. The apparatus of claim 18, wherein the first indication indicates at least one condition to be evaluated by the terminal device for the conditional handover.

20. The apparatus of claim 18 or 19, wherein the at least one common LTM configuration is comprised in a first IE and the first indication is comprised in a second IE in a RRC message, the first IE and the second IE being at a same level in an information structure of in the RRC message.

21. The apparatus of any of claims 13 to 15, wherein the second apparatus is caused to perform:

transmitting, to the source network node, the at least one common LTM configuration across the plurality of candidate target cells; and

transmitting, to the source network node, a plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells, a delta RRC reconfiguration among the plurality of delta RRC reconfigurations comprising a second indication indicating one of the at least one common LTM configuration.

22. The apparatus of claim 21, wherein two or more second indications in two or more of the plurality of delta RRC reconfigurations point to a same one of the at least one common LTM configuration.

23. The apparatus of claim 21 or 22, wherein the plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells and the at least one common LTM configuration are comprised in a level of a RRC message, and the at least one common LTM configuration is comprised in another level of the RRC message than the plurality of delta RRC reconfigurations.

24. The apparatus of any of claims 13 to 23, wherein the conditional handover comprises conditional LTM, and/or

wherein the second apparatus is or is comprised in a central unit (CU) of a target network node for the terminal device.

25. A third apparatus comprising:

at least one processor; and

at least one memory storing instructions that, when executed by the at least one processor, cause the third apparatus at least to perform:

receiving, from a target network node for a terminal device, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a CHO and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the CHO of the terminal device; and

transmitting the at least one common LTM configuration to the terminal device in a further message without duplicates of IEs comprising the at least one common LTM configuration.

26. The apparatus of claim 25, wherein a common LTM configuration of the at least one common LTM configuration is comprised in an information element (IE) of a radio resource control (RRC) message.

27. The apparatus of claim 25 or 26, wherein the third apparatus is caused to perform:

receiving, from the target network node, a common LTM configuration across the plurality of candidate target cells as a part of a conditional reconfiguration for the terminal device.

28. The apparatus of claim 27, wherein the third apparatus is caused to perform:

transmitting, to the terminal device, the common LTM configuration in a first IE for the conditional reconfiguration in a RRC message; and

transmitting, to the terminal device, a plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells in a plurality of IEs of the RRC message, the first IE and the plurality of IEs being at a same level in an information structure in the RRC message.

29. The apparatus of claim 25 or 26, wherein the third apparatus is caused to perform:

receiving, from the target network node, the at least one common LTM configuration across the plurality of candidate target cells and a first indication indicating at least one condition for applying the at least one common LTM configuration, respectively.

30. The apparatus of claim 29, wherein the first indication indicates at least one condition to be evaluated by the terminal device for the conditional handover.

31. The apparatus of claim 29 or 30, wherein the third apparatus is caused to perform:

transmitting, to the terminal device, the at least one common LTM configuration in a first IE and the first indication in a second IE in a RRC message, the first IE and the second IE being at a same level in an information structure of in the RRC message.

32. The apparatus of claim 25 or 26, wherein the third apparatus is caused to perform:

receiving, from the target network node, the at least one common LTM configuration across the plurality of candidate target cells; and

receiving, from the target network node, a plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells, a delta RRC reconfiguration

among the plurality of delta RRC reconfigurations comprising a second indication indicating one of the at least one common LTM configuration.

33. The apparatus of claim 32, wherein two or more second indications in two or more of the plurality of delta RRC reconfigurations point to a same one of the at least one common LTM configuration.

34. The apparatus of claim 32 or 33, wherein the third apparatus is caused to perform:

transmitting, to the terminal device, the plurality of delta RRC reconfigurations corresponding to the plurality of candidate target cells in a level of a RRC message; and

transmitting, to the terminal device, the at least one common LTM configuration in another level of the RRC message than the plurality of delta RRC reconfigurations.

35. The apparatus of any of claims 25 to 34, wherein the conditional handover comprises conditional LTM, and/or

wherein the third apparatus is or is comprised in a central unit (CU) of a source network node for the terminal device.

36. A method comprising:

receiving, at a first apparatus and from a source network node for a first apparatus, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration, the first apparatus being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the first apparatus; and

in accordance with a determination that a target cell is selected from the plurality of candidate target cells for the conditional handover, applying one of the at least one common LTM configuration related to the target cell.

37. A method comprising:

determining, at a second apparatus, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the

terminal device being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the terminal device; and

transmitting, to a source network node in a source cell of the terminal device, the at least one common LTM configuration in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration.

38. A method comprising:

receiving, at a third apparatus and from a target network node for a terminal device, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a CHO and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the CHO of the terminal device; and

transmitting the at least one common LTM configuration to the terminal device in a further message without duplicates of IEs comprising the at least one common LTM configuration.

39. A first apparatus comprising:

means for receiving, from a source network node for a first apparatus, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration, the first apparatus being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the conditional handover of the first apparatus; and

means for in accordance with a determination that a target cell is selected from the plurality of candidate target cells for the conditional handover, applying one of the at least one common LTM configuration related to the target cell.

40. A second apparatus comprising:

means for determining at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a conditional handover and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the

conditional handover of the terminal device; and

means for transmitting, to a source network node in a source cell of the terminal device, the at least one common LTM configuration in a message without duplicates of information elements (IEs) comprising the at least one common LTM configuration.

41. A third apparatus comprising:

means for receiving, from a target network node for a terminal device, at least one common layer 1 or layer 2 (L1/L2) triggered mobility (LTM) configuration across a plurality of candidate target cells, the terminal device being configured with a CHO and LTM concurrently, and the plurality of candidate target cells being selected by the second apparatus for the CHO of the terminal device; and

means for transmitting the at least one common LTM configuration to the terminal device in a further message without duplicates of IEs comprising the at least one common LTM configuration.

42. A computer readable medium comprising instructions stored thereon for causing an apparatus at least to perform the method of claim 36, the method of claim 37, or the method of claim 38.