CLAIMS

What is claimed is:

1. A method for conditional handover (CHO), the method comprising:

receiving a CHO configuration comprising a CHO candidate cell;

detecting a radio link failure (RLF);

responsive to detecting the RLF, performing a cell selection procedure to select a cell; and

performing a procedure wherein, responsive to the selected cell being the CHO candidate cell, ~~associated with the CHO configuration, performing~~ a CHO to the selected cell is performed, and responsive to the selected cell not being the CHO candidate cell, a reestablishment procedure is performed.

~~2. The method of claim 1, wherein the CHO configuration comprises a configured target cell.~~

2~~3~~. The method of claim 1, wherein the CHO configuration comprises a trigger condition.

3~~4~~. The method of claim 2~~3~~, wherein the trigger condition comprises a threshold quality of a source gNB.

4~~5~~. The method of claim 1, wherein the CHO configuration comprises a trigger condition different from the RLF condition.

5~~6~~. The method of claim 1, wherein the CHO configuration does not include the RLF condition~~is different from the RLF~~.

6~~7~~. The method of claim 1, further comprising, on a condition that the selected cell is associated with the CHO configuration, performing the CHO to the selected cell regardless of whether a trigger condition of the CHO is satisfied.

~~8. The method of claim 1, further comprising, on a condition that the selected cell is associated with the CHO configuration, performing the CHO to the selected cell based on a trigger condition different from the trigger condition of the CHO.~~

7~~9~~. The method of claim 1, further comprising, on a condition that the selected cell is associated with a different CHO configuration, performing the CHO to the selected cell on a condition that the CHO is valid.

8~~10~~. The method of claim 1, further comprising, on a condition that the selected cell is associated with a different CHO configuration, performing the CHO to the selected cell on a condition that the CHO is unexpired.

9~~11~~. A wireless transmit/receive unit (WTRU) associated with a source cell, the WTRU comprising:

a transceiver; and’

a processor;

the transceiver and the processor configured to receive a conditional handover (CHO) configuration comprising a CHO candidate cell;

the transceiver and the processor configured to detect a radio link failure (RLF);

the transceiver and the processor configured to, on a condition that the RLF is detected, perform a cell selection procedure to select a cell;

the transceiver and the processor configured to, on a condition that the selected cell is the CHO candidate cell~~associated with the CHO configuration~~, perform a CHO to the selected cell; and

the transceiver and the processor configured to, on a condition that the selected cell is not the CHO candidate cell~~associated with the CHO configuration~~, perform a reestablishment procedure.

~~12. The WTRU of claim 11, wherein the CHO configuration comprises a configured target cell.~~

10~~13~~. The WTRU of claim 9~~11~~, wherein the CHO configuration comprises a trigger condition.

11~~14~~. The WTRU of claim 10~~13~~, wherein the trigger condition comprises a threshold quality of a source gNB.

12~~15~~. The WTRU of claim 9~~11~~, wherein the CHO configuration comprises a trigger condition different from the RLF condition.

13~~16~~. The WTRU of claim 9~~11~~, wherein the CHO configuration does not include the RLF condition~~is different from the RLF~~.

14~~17~~. The WTRU of claim 9~~11~~, wherein the transceiver and the processor are configured to, on a condition that the selected cell is associated with the CHO configuration, perform the CHO to the selected cell regardless of whether a trigger condition of the CHO is satisfied.

~~18. The WTRU of claim 11, wherein the transceiver and the processor are configured to, on a condition that the selected cell is associated with the CHO configuration, perform the CHO to the selected cell based on a trigger condition different from the trigger condition of the CHO.~~

15~~19~~. The WTRU of claim 9~~11~~, wherein the transceiver and the processor are configured to, on a condition that the selected cell is associated with a different CHO configuration, perform the CHO to the selected cell on a condition that the CHO is valid.

16~~20~~. The WTRU of claim 9~~11~~, wherein the transceiver and the processor are configured to, on a condition that the selected cell is associated with a different CHO configuration, perform the CHO to the selected cell on a condition that the CHO is unexpired.