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, 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 trigger condition.

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

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

5. The method of claim 1, wherein the CHO configuration does not include the RLF condition.

6. 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.

7. 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. 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. 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, 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, perform a reestablishment procedure.

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

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

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

13. The WTRU of claim 9, wherein the CHO configuration does not include the RLF condition.

14. The WTRU of claim 9, 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.

15. The WTRU of claim 9, 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. The WTRU of claim 9, 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.