CLAIMS

1. A method of wireless communication performed by a user equipment (UE), comprising:

providing, by the UE, to a source base station (BS), and prior to a handover of the UE from the source BS to a target BS, information that identifies a set of transition capabilities of the UE;

receiving, by the UE and from the source BS, a handover command or reconfiguration message after providing the information to the source BS, wherein the handover command or reconfiguration message causes the UE to use a subset of the set of transition capabilities during the handover to communicate with the target BS prior to a release of the source BS during the handover; and

communicating, using the subset of the set of transition capabilities, with the target BS prior to the release.

2. The method of claim 1, wherein the set of transition capabilities indicates a full UE capability of the UE and includes at least one of:

a simultaneous reception capability,

a simultaneous transmission capability,

a time domain multiplexing reception capability,

a time domain multiplexing transmission capability,

a carrier aggregation capability, or

a data rate capability.

3. The method of claim 2, wherein the simultaneous reception capability is related to simultaneously receiving multiple communications associated with a same physical channel or associated with different physical channels, and

wherein the simultaneous transmission capability is related to simultaneously transmitting multiple communications associated with a same physical channel or associated with different physical channels.

4. The method of claim 1, wherein the set of transition capabilities are UE-specific,

band-specific, band-combination-specific, or band-specific per band-combination.

5. The method of claim 1, wherein the set of transition capabilities are specific to a portion of the handover, and

wherein another subset of the set of transition capabilities are specific to another portion of the handover.

6. The method of claim 1, wherein the target BS is selected by the source BS based at least in part on the set of transition capabilities.

7. The method of claim 6, wherein the subset of the set of transition capabilities are to be approved by the target BS after the target BS has been selected.

8. The method of claim 1, wherein the handover command or reconfiguration message for the handover is provided by the target BS to the UE via the source BS.

9. The method of claim 1, wherein the handover command or reconfiguration message is related to causing a conditional handover as the handover.

10. The method of claim 1, further comprising:

configuring the subset of the set of transition capabilities based at least in part on receiving the handover command or reconfiguration message from the source BS.

11. The method of claim 1, communicating with the target BS comprises:

attempting, after receiving the handover command or reconfiguration message, to access the target BS in association with the handover; and

configuring the subset of the set of transition capabilities in association with attempting to access the target BS.

12. The method of claim 1, further comprising:

stopping, based at least in part on receiving the handover command or reconfiguration message, use of another subset of the set of transition capabilities based at least in part on

attempting access to the target BS; and

configuring, based at least in part on receiving the handover command or reconfiguration message, the subset of the set of transition capabilities based at least in part on stopping use of the other subset of the set of transition capabilities.

13. The method of claim 1, further comprising:

releasing, after receiving the handover command or reconfiguration message, the source BS; and

stopping, based at least in part on releasing the source BS, use of the subset of the set of transition capabilities.

14. The method of claim 1, further comprising:

receiving, from the source BS, a request for the information prior to providing the information to the source BS.

15. A method of wireless communication performed by a user equipment (UE), comprising:

providing, by the UE, to a source base station (BS) operating as a master node (MN), and prior to an addition of a target BS as a secondary node (SN), information that identifies a set of transition capabilities of the UE;

receiving, by the UE and from the source BS, a radio resource control (RRC) reconfiguration message after providing the information to the source BS, wherein the RRC reconfiguration message causes the UE to use a subset of the set of transition capabilities to communicate intra-frequency between the UE and the target BS after the addition and prior to a role switch of the target BS or a release of the source BS; and

communicating, using the subset of the set of transition capabilities, with the target BS, prior to the role switch or the release.

16. The method of claim 15, wherein the set of transition capabilities indicates a full UE capability of the UE and include at least one of:

a simultaneous reception capability,

a simultaneous transmission capability,

a time domain multiplexing reception capability,

a time domain multiplexing transmission capability,

a carrier aggregation capability, or

a data rate capability.

17. The method of claim 16, wherein the simultaneous reception capability is related to simultaneously receiving multiple communications associated with a same physical channel or associated with different physical channels, and

wherein the simultaneous transmission capability is related to simultaneously transmitting multiple communications associated with a same physical channel or associated with different physical channels.

18. The method of claim 15, wherein the set of transition capabilities are UE-specific, band-specific, band-combination-specific, or band-specific per band-combination.

19. The method of claim 15, wherein the set of transition capabilities are specific to a portion of the addition, and

wherein another subset of the set of transition capabilities are specific to another portion of the addition.

20. The method of claim 15, wherein the target BS is selected by the source BS based at least in part on the set of transition capabilities.

21. The method of claim 20, wherein the subset of the set of transition capabilities are to be approved by the target BS after the target BS has been selected.

22. The method of claim 15, wherein the RRC reconfiguration message for the addition is provided by the target BS to the UE via the source BS.

23. The method of any claim 15, wherein the RRC reconfiguration message is related to causing a conditional addition as the addition.

24. The method of claim 15, further comprising:

configuring the subset of the set of transition capabilities based at least in part on receiving the RRC reconfiguration message from the source BS.

25. The method of claim 15, wherein communicating with the target BS comprises:

attempting, after receiving the RRC reconfiguration message, to access the target BS in association with the addition; and

configuring the subset of the set of transition capabilities in association with attempting to access the target BS.

26. The method of claim 15, further comprising:

stopping, based at least in part on receiving the RRC reconfiguration message, use of another subset of the set of transition capabilities based at least in part on attempting access to the target BS; and

configuring, based at least in part on receiving the RRC reconfiguration message, the subset of the set of transition capabilities based at least in part on stopping use of the other subset of the set of transition capabilities.

27. The method of claim 15, wherein the target BS is added as the SN for dual connectivity with the source BS.

28. The method of claim 27, wherein the target BS is switched, in association with the role switch, to operating as the MN and the source BS is switched, in association with the role switch, to operating as the SN based at least in part on the target BS having been added as the SN.

29. The method of claim 28, further comprising:

releasing, after receiving the RRC reconfiguration message, the source BS; and

stopping, based at least in part on releasing the source BS, use of the subset of the set of transition capabilities.

30. The method of claim 15, further comprising:

receiving, from the source BS, a request for the information prior to providing the information to the source BS.

31. A user equipment (UE) for wireless communication, comprising:

a memory; and

one or more processors operatively coupled to the memory, the memory and the one or more processors configured to:

provide, from the UE, to a source base station (BS), and prior to a handover of the UE from the source BS to a target BS, information that identifies a set of transition capabilities of the UE;

receive, by the UE and from the source BS, a handover command or reconfiguration message after providing the information to the source BS, wherein the handover command or reconfiguration message causes the UE to use a subset of the set of transition capabilities during the handover to communicate with the target BS prior to a release of the source BS during the handover; and

communicate, using the subset of the set of transition capabilities, with the target BS prior to the release.

32. A user equipment (UE) for wireless communication, comprising:

a memory; and

one or more processors operatively coupled to the memory, the memory and the one or more processors configured to:

provide, from the UE, to a source base station (BS) operating as a master node (MN), and prior to an addition of a target BS as a secondary node (SN), information that identifies a set of transition capabilities of the UE;

receive, by the UE and from the source BS, a radio resource control (RRC) reconfiguration message after providing the information to the source BS, wherein the RRC reconfiguration message causes the UE to use a subset of the set of transition capabilities to communicate intra-frequency between the UE and the target BS after the addition and prior to a role switch of the target BS or a release of the source BS; and

communicate, using the subset of the set of transition capabilities, with the target BS, prior to the role switch or the release.

33. A non-transitory computer-readable medium storing one or more instructions for wireless communication, the one or more instructions comprising:

one or more instructions that, when executed by one or more processors of a user equipment (UE), cause the one or more processors to:

provide, from the UE, to a source base station (BS), and prior to a handover of the UE from the source BS to a target BS, information that identifies a set of transition capabilities of the UE;

receive, by the UE and from the source BS, a handover command or reconfiguration message after providing the information to the source BS, wherein the handover command or reconfiguration message causes the UE to use a subset of the set of transition capabilities during the handover to communicate with the target BS prior to a release of the source BS during the handover; and

communicate, using the subset of the set of transition capabilities, with the target BS prior to the release.

34. A non-transitory computer-readable medium storing one or more instructions for wireless communication, the one or more instructions comprising:

one or more instructions that, when executed by one or more processors of a user equipment (UE), cause the one or more processors to:

provide, from the UE, to a source base station (BS) operating as a master node (MN), and prior to an addition of a target BS as a secondary node (SN), information that identifies a set of transition capabilities of the UE;

receive, by the UE and from the source BS, a radio resource control (RRC) reconfiguration message after providing the information to the source BS, wherein the RRC reconfiguration message causes the UE to use a subset of the set of transition capabilities to communicate intra-frequency between the UE and the target BS after the addition and prior to a role switch of the target BS or a release of the source BS; and

communicate, using the subset of the set of transition capabilities, with the target BS, prior to the role switch or the release.

35. A first apparatus for wireless communication, comprising:

means for providing, from the first apparatus, to a second apparatus, and prior to a handover of the first apparatus from the second apparatus to a third apparatus, information that identifies a set of transition capabilities of the first apparatus;

means for receiving, by the first apparatus and from the second apparatus, a handover command or reconfiguration message after providing the information to the second apparatus, wherein the handover command or reconfiguration message causes the first apparatus to use a subset of the set of transition capabilities during the handover to communicate with the third apparatus prior to a release of the second apparatus during the handover; and

means for communicating, using the subset of the set of transition capabilities, with the third apparatus prior to the release.

36. A first apparatus for wireless communication, comprising:

means for providing, from the first apparatus, to a second apparatus operating as a master node (MN), and prior to an addition of a third apparatus as a secondary node (SN), information that identifies a set of transition capabilities of the first apparatus;

means for receiving, by the first apparatus and from the second apparatus, a radio resource control (RRC) reconfiguration message after providing the information to the second apparatus, wherein the RRC reconfiguration message causes the first apparatus to use a subset of the set of transition capabilities to communicate intra-frequency between the first apparatus and the third apparatus after the addition and prior to a role switch of the third apparatus or a release of the second apparatus; and

means for communicating, using the subset of the set of transition capabilities, with the third apparatus, prior to the role switch or the release.