CLAIMS

1. A method, performed by a wireless device, comprising:

receiving one or more configuration parameters, of a target cell, indicating:

a cell index of a reference cell; and

transmission configuration indicator, TCI, states of the reference cell for the wireless device to use for downlink receptions via the target cell;

receiving, via the target cell, a downlink signal based on a TCI state of the TCI states of the reference cell;

receiving a control command indicating deactivation of the reference cell; and

deactivating the target cell in response to the reference cell being deactivated.

2. The method of claim 1, wherein the one or more configuration parameters further comprise at least one of:

the cell index of the reference cell; or

a bandwidth part, BWP, index of the reference cell.

3. The method of any one of claims 1 to 2, wherein the one or more configuration parameters further indicate that no secondary cell deactivation timer is configured for the reference cell.

4. The method of any one of claims 1 to 3, wherein the one or more configuration parameters further indicate that no secondary cell deactivation timer is configured for the reference cell based on the wireless device being configured with the TCI states of the reference cell.

5. The method of any one of claims 1 to 4, further comprising determining that the reference cell is deactivated based on a deactivation timer of the reference cell being expired.

6. The method of any one of claims 1 to 5, wherein the reference cell is deactivated based on at least one of:

expiration of a deactivation timer of the reference cell; or

receiving a command indicating deactivation of the reference cell.

7. The method of any one of claims 1 to 6, wherein the one or more configuration parameters are a part of a physical downlink shared channel, PDSCH, configuration.

8. A wireless device comprising:

one or more processors; and

a memory storing instructions that, when executed by the one or more processors, cause the wireless device to perform the method of any one of claims 1 to 7.

9. A non-transitory computer-readable medium comprising instructions that, when executed by one or more processors, cause the one or more processors to perform the method of any one of claims 1 to 7.

10. A method performed by a base station, comprising:

transmitting, to a wireless device, one or more configuration parameters, of a target cell, indicating:

a cell index of the reference cell; and

transmission configuration indicator, TCI, states of the reference cell for the wireless device to use for downlink receptions via the target cell;

transmitting, to the wireless device via the target cell, a downlink signal based on a TCI state of the TCI states of the reference cell;

transmitting, to the wireless device, a control command indicating deactivation of the reference cell; and

deactivating the target cell in response to the reference cell being deactivated.

11. A base station (1504) comprising:

one or more processors; and

a memory storing instructions that, when executed by the one or more processors, cause the base station to perform the method of claim 10.

12. A non-transitory computer-readable medium comprising instructions that, when executed by one or more processors, cause the one or more processors to perform the method of claim 10.