CLAIMS

What is claimed is:

1. A communication method, comprising:

receiving, at a mobile station from a base station, a radio resource control (RRC) message that includes resource information corresponding to a plurality of resource pools and a mapping between a plurality of radio network temporary identifiers (RNTIs) and the plurality of resource pools; and

receiving, at the mobile station from the base station, a downlink control information (DCI) scrambled with a RNTI, wherein the DCI indicates at least one designated resource pool from the plurality of resource pools and designated resources from within the at least one designated resource pool such that communications between the mobile station and a wireless device is permitted via a wireless link between the mobile station and the wireless device using the at least one designated resource pool.

2. The method of claim 1, wherein the resource information identifies at least one sub-frame and at least one resource block within the at least one sub-frame.

3. The method of claim 1, wherein the RRC message contains the plurality of RNTIs in a one-to-one correspondence with the plurality of resource pools.

4. The method of claim 1, wherein the DCI includes a cyclic redundancy check (CRC) sequence.

5. The method of claim 1, wherein the mobile station performs sidelink communication with the wireless device using the at least one designated resource pool.

6. An apparatus for wireless communication comprising a processor, configured to implement a method recited in any one or more of claims 1 to 5.

7. A non-transitory computer readable program storage medium having code stored thereon, the code, when executed by a processor, causing the processor to implement a method recited in any one or more of claims 1 to 5.

8. A communication method, comprising:

receiving, by a mobile station, a first message that includes a mapping between a plurality of radio network temporary identifiers (RNTIs) and a plurality of resource pools; and

receiving, at the mobile station, a second message, wherein the second message indicates at least one resource pool from the plurality of resource pools and resources from within the at least one resource pool.

9. The method of claim 8, wherein the first message includes a radio resource control (RRC) message.

10. The method of claim 8, wherein the second message includes a downlink control information (DCI) scrambled with a RNTI.

11. The method of claim 10, wherein the at least one resource pool from the plurality of resource pools is indicated by a resource pool index within the DCI.

12. The method of claim 8, wherein the first message includes resource information associated with the plurality of resource pools, wherein the resource information identifies at least one time resource and at least one resource block within the at least one time resource.

13. The method of claim 8, wherein the first message includes the plurality of RNTIs in a one-to-one correspondence with the plurality of resource pools.

14. The method of claim 8, wherein the second message includes a cyclic redundancy check (CRC) sequence.

15. The method of claim 8, wherein the mobile station performs sidelink communication with a wireless device using the at least one resource pool.

16. An apparatus for wireless communication comprising a processor, configured to implement a method recited in any one or more of claims 8 to 15.

17. A non-transitory computer readable program storage medium having code stored thereon, the code, when executed by a processor, causing the processor to implement a method recited in any one or more of claims 8 to 15.