What is claimed is:

1. A method for a reduced capability (REDCAP) device, the method comprising:

receiving system information associated with a cell, the system information including information specific to the REDCAP device; and

determining, based on the information specific to the REDCAP device, whether access to the cell by the REDCAP device is permitted.

2. The method of claim 1, further comprising:

receiving configuration data for REDCAP devices in the cell, and wherein

the determining determines whether access to the cell by the REDCAP device is permitted based on the configuration data and the system information.

3. The method of claim 1, further comprising:

accessing the cell in a case that the determining determines that access to the cell by the REDCAP device is permitted, or

selecting a different cell in a case that the determining determines that access to the cell by the REDCAP device is not permitted.

4. The method of claim 1, wherein the system information identifies capabilities of the cell for REDCAP devices.

5. The method of any of claims 1 to 4, wherein the determining further comprises determining, based on a number of antennas of the REDCAP device, whether access to the cell by the REDCAP device is permitted.

6. The method of any of claims 1 to 5, further comprising receiving information indicating at least one frequency on which access is permitted for the REDCAP device.

7. The method of claim 6, wherein the determining further comprises determining, based on the information indicating the at least one frequency, whether access to the cell by the REDCAP device is permitted.

8. A reduced capability (REDCAP) device comprising:

a memory containing computer-readable instructions; and

at least one processor configured to execute the computer-readable instructions to cause the REDCAP device to

receive system information associated with a cell, the system information including information specific to the REDCAP device, and

determine, based on the information specific to the REDCAP device, whether access to the cell by the REDCAP device is permitted.

9. The REDCAP device of claim 8, wherein the at least one processor is configured to execute the computer-readable instructions to cause the UE to

receive configuration data for REDCAP devices in the cell, and

determine whether access to the cell by the REDCAP device is permitted based on the configuration data and the system information.

10. The REDCAP device of claim 8, wherein the at least one processor is configured to execute the computer-readable instructions to cause the UE to

access the cell in a case that the determining determines that access to the cell by the REDCAP device is permitted.

11. The REDCAP device of claim 8, wherein the at least one processor is configured to execute the computer-readable instructions to cause the UE to

select a different cell in a case that the determining determines that access to the cell by the REDCAP device is not permitted.

12. The REDCAP device of any of claims 8 to 11, wherein the system information includes information indicating whether a half-duplex functionality is allowed in the cell.

13. The REDCAP device of any of claims 8 to 12, wherein the at least one processor is configured to execute the computer-readable instructions to cause the REDCAP device to determine, based on a number of antennas of the REDCAP device, whether access to the cell by the REDCAP device is permitted.

14. The REDCAP device of any of claims 8 to 13, wherein the information specific to the REDCAP device comprises information relating to the number of antennas of the REDCAP device.

15. The REDCAP device of any of claims 8 to 14, wherein the at least one processor is configured to execute the computer-readable instructions to cause the REDCAP device to receive information indicating at least one frequency on which access is permitted for the REDCAP device.

16. The REDCAP device of claim 15, wherein the at least one processor is configured to execute the computer-readable instructions to cause the REDCAP device to determine, based on the information indicating the at least one frequency, whether access to the cell by the REDCAP device is permitted.

17. The REDCAP device of any of claims 8 to 16, including at least one of: a sensor; a video surveillance device; a wearable device; a user equipment; a cellular telephone; a smartphone; a tablet device; a computer; and a laptop computer.

18. A method for a base station, the method comprising:

transmitting, to a reduced capability (REDCAP) device, system information associated with a cell, the system information including information specific to the REDCAP device, and indicating whether access to the cell by the REDCAP device is permitted; and

establishing a connection with the REDCAP device based on the information specific to the REDCAP device.

19. The method of claim 18, further comprising:

transmitting configuration data for REDCAP devices in the cell; and

establishing the connection with the REDCAP device based on the system information and the configuration data.

20. A base station comprising:

a memory containing computer-readable instructions; and

at least one processor configured to execute the computer-readable instructions to cause the at least one first base station to

transmit, to a reduced capability (REDCAP) device, system information associated with a cell, the system information including information specific to the REDCAP device, and indicating whether access to the cell by the REDCAP device is permitted; and

establish a connection with the REDCAP device based on the information specific to the REDCAP device.

21. The base station of claim 20, wherein the at least one processor is configured to execute the computer-readable instructions to cause the base station to

transmit configuration data for REDCAP devices in the cell, and

establish the connection with the REDCAP device based on the system information and the configuration data.