CLAIMS

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

at least one memory; and

at least one processor coupled with the at least one memory and operable to cause the UE to:

receive a master information block (MIB) including a cell barred information element (IE);

receive a system information block type 1 (SIB1);

determine whether the MIB indicates that the UE is barred for a cell;

in response to the UE being barred for the cell, determine whether the SIB1 includes a cell barred exception IE that indicates an exception for emergency communication on the barred cell; and

in response to the SIB1 including the cell barred exception IE, assign the cell as an acceptable cell for the UE to camp for limited services, including the emergency communication.

2. The UE of claim 1, wherein the at least one processor is operable to cause the UE to establish an active cell selection by camping on the cell to obtain the limited services, including the emergency communication.

3. The UE of claim 1 or 2, wherein the cell barred IE indicates a barred cell exception for emergency information messaging as an Allow-Emergency-and-PS IE, which includes a Boolean value set to TRUE that enables the UE to consider the cell as an acceptable cell for the emergency communication.

4. The UE of any preceding claim, wherein the cell barred IE that indicates a barred cell exception is established to provide a barred cell status exception.

5. The UE of claim 1, wherein the at least one processor is operable to cause the UE to camp on the cell for the limited services, including the emergency communication.

6. The UE of any preceding claim, wherein the cell barred exception IE has a Boolean value, and wherein the at least one processor is operable to cause the UE to assign the cell as the acceptable cell for the UE to camp for the limited services based at least in part on the Boolean value of TRUE.

7. The UE of any preceding claim, wherein the cell barred exception IE is only included in the SIB1.

8. A method performed by a user equipment (UE), the method comprising:

receiving a master information block (MIB) including a cell barred information element (IE);

receiving a system information block type 1 (SIB1);

determining whether the MIB indicates that the UE is barred for a cell;

in response to the UE being barred for the cell, determining whether the SIB1 includes a cell barred exception IE that indicates an exception for emergency communication on the barred cell; and

in response to the SIB1 including the cell barred exception IE, assigning the cell as an acceptable cell for the UE to camp for limited services, including the emergency communication.

9. The method of claim 8, further comprising:

establishing an active cell selection by camping on the cell to obtain the limited services, including the emergency communication.

10. The method of claim 8 or 9, wherein the cell barred IE indicates a barred cell exception for emergency information messaging as an Allow-Emergency-and-PS IE, which includes a Boolean value set to TRUE that enables the UE to consider the cell as an acceptable cell for the emergency communication.

11. The method of any of claims 8 to 10, wherein the cell barred IE that indicates a barred cell exception is established to provide a barred cell status exception.

12. The method of claim 8, further comprising: camping on the cell for the limited services, including the emergency communication.

13. A base station for wireless communication, comprising:

at least one memory; and

at least one processor coupled with the at least one memory and operable to cause the base station to:

transmit, to a user equipment (UE), a master information block (MIB) including a cell barred information element (IE) for a cell associated with the base station; and

transmit, to the UE, a system information block type 1 (SIB1), wherein the SIB1 includes a cell barred exception IE that indicates an exception for emergency communication on the barred cell, and wherein the cell provides limited services, including the emergency communication to the UE based at least in part on the SIB1 including the cell barred exception IE that indicates the exception for the emergency communication on the barred cell.

14. The base station of claim 13, wherein the cell barred exception IE has a Boolean value, or wherein the cell barred exception IE is only included in the SIB1, or both.

15. A method performed by a base station, the method comprising:

transmitting, to a user equipment (UE), a master information block (MIB) including a cell barred information element (IE) for a cell associated with the base station; and

transmitting, to the UE, a system information block type 1 (SIB1), wherein the SIB1 includes a cell barred exception IE that indicates an exception for emergency communication on the barred cell, and wherein the cell provides limited services, including the emergency communication to the UE based at least in part on the SIB1 including the cell barred exception IE that indicates the exception for the emergency communication on the barred cell.