

CLAIMS

1. A method comprising:
 - determining, by a user equipment, that a non-closed access group cell is available to
 - 5 the user equipment in a public land mobile network, wherein the public land mobile network is identified by a public land mobile network identity and the user equipment is only allowed to access the public land mobile network via one or more closed access group cells;
 - displaying the public land mobile network identity to a user;
 - receiving user input selecting the public land mobile network identity; and
 - 10 transmitting a registration request to the public land mobile network identified by the public land mobile network identity.
2. The method of claim 1, wherein the public land mobile network identity is stored in a list comprising one or more public land mobile network identities, wherein for each public land
- 15 mobile network identity there is an associated zero or more closed access group identities which the user equipment is allowed to use in the public land mobile network identified by the public land mobile network identity.
3. The method of claim 2, wherein for each public land mobile network identity there is an indication that the user equipment is only allowed to access a 5G system via closed access
- 20 group cells.
4. The method of any preceding claim, wherein the displayed public land mobile network identity is associated with an indication that a user equipment is only allowed to access the
- 25 public land mobile network identified by the public land mobile network identity via one or more closed access group cells.
5. The method of any preceding claim, comprising:
 - receiving a registration accept message; and
 - 30 deleting the indication that the user equipment is only allowed to access a 5G system via closed access group cells for the public land mobile network identified by the public land mobile network identity.
6. The method of any of claims 1 to 4, comprising:
 - 35 receiving a registration reject message; and

retaining the indication that the user equipment is only allowed to access 5G system via closed access group cells.

7. The method of any preceding claim, wherein displaying the public land mobile network identity comprises displaying the public land mobile network identity associated with a list of one or more closed access group identities, wherein there exists a closed access group cell available to a user equipment in the public land mobile network identified by the public land mobile network identity, and wherein for each of the closed access group identities, it is indicated whether the user equipment is allowed for the closed access group identity.

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8. The method of claim 7, wherein the list comprising the one or more closed access group identities includes a closed access group identity field, which is either populated with a respective closed access group identity if the entry has a closed access group identity, or is populated with an entry indicating a null closed access group identity if the entry does not have a closed access group identity.

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9. The method of claim 8, comprising:
displaying the public land mobile network identity without a list of one or more closed access group identities in addition to the public land mobile network identity displayed with a list of one or more closed access group identities.

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10. An apparatus comprising:
at least one processor; and
at least one memory including computer program code, the at least one memory and computer program code configured to, with the at least one processor, cause the apparatus to perform:

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determining that a non-closed access group cell is available to a user equipment in a public land mobile network, wherein the public land mobile network is identified by a public land mobile network identity and the user equipment is only allowed to access the public land mobile network via one or more closed access group cells;

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displaying the public land mobile network identity to a user;
receiving user input selecting the public land mobile network identity; and
transmitting a registration request to the public land mobile network identified by the public land mobile network identity.

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11. The apparatus of claim 10, wherein the public land mobile network identity is stored in a list comprising one or more public land mobile network identities, wherein for each public land mobile network identity there is an associated zero or more closed access group identities which the user equipment is allowed to use in the public land mobile network identified by the public land mobile network identity.

12. The apparatus of claim 11, wherein for each public land mobile network identity there is an indication that the user equipment is only allowed to access a 5G system via closed access group cells.

13. The apparatus of any of claims 10 to 12, wherein the displayed public land mobile network identity is associated with an indication that a user equipment is only allowed to access the public land mobile network identified by the public land mobile network identity via one or more closed access group cells.

14. The apparatus of any of claims 10 to 13, wherein the apparatus is further configured to perform:

receiving a registration accept message; and
deleting the indication that the user equipment is only allowed to access a 5G system via closed access group cells for the public land mobile network identified by the public land mobile network identity.

15. The apparatus of any of claims 10 to 13, wherein the apparatus is further configured to perform:

receiving a registration reject message; and
retaining the indication that the user equipment is only allowed to access 5G system via closed access group cells.

16. The apparatus of any of claims 10 to 15, wherein displaying the public land mobile network identity comprises displaying the public land mobile network identity associated with a list of one or more closed access group identities, wherein there exists a closed access group cell available to a user equipment in the public land mobile network identified by the public land mobile network identity, and wherein for each of the closed access group identities, it is indicated whether the user equipment is allowed for the closed access group identity.

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17. The apparatus of claim 16, wherein the list comprising the one or more closed access group identities includes a closed access group identity field, which is either populated with a respective closed access group identity if the entry has a closed access group identity, or is populated with an entry indicating a null closed access group identity if the entry does not have a closed access group identity.
18. The apparatus of claim 17, wherein the apparatus is further configured to perform:
displaying the public land mobile network identity without a list of one or more closed access group identities in addition to the public land mobile network identity displayed with a list of one or more closed access group identities.