CLAIMS

1. A computer-implemented method for a host device, the computer-implemented method comprising:

performing a first process at a first time, the first process comprising using non-cellular data connectivity to transmit a request to download a profile data structure, the profile data structure comprising a set of two or more International Mobile Subscriber Identities, IMSIs, and authentication data associated with the set;

performing a second process at a second time, the second time being after the first time, the second process comprising:

selecting an IMSI from the set of two or more IMSIs; and

attempting to register with a cellular network using the selected IMSI and the authentication data to obtain cellular network connectivity, wherein

at least one IMSI in the set of IMSIs is region-independent IMSI associated with region-independence indication data and at least one IMSI in the set of IMSIs is region-dependent IMSI associated with regional indication data;

the set of IMSIs comprises one or more shared IMSIs and one or more private IMSIs, the one or more shared IMSIs being included in a plurality of profile data structures that are available to one or more further host device and the one or more private IMSIs being uniquely included in the profile data structure downloaded to the host device; and

selecting of either private or shared IMSI is provided in accordance with prioritization specified in the host device and/or in the profile data structure.

2. A computer-implemented method according to claim 1, wherein the one or more shared IMSIs comprise at least one region independent IMSI associated with region-independence indication data and at least one region-dependent IMSI associated with regional indication data and/or wherein the one or more private IMSIs comprise at least one region dependent IMSI associated with regional indication data and at least one region independent IMSI associated with region-independence indication data.

3. A computer-implemented method according to any preceding claim, wherein the second process comprises activating the profile data structure to select a private or a shared IMSI from the set of IMSIs.

4. A computer-implemented method according to any preceding claim, wherein the second process comprises determining a geographic location of the host device at the second time, and wherein if one or more region dependent IMSIs are not associated with the geographic location of the host device, selecting an IMSI from the set of IMSIs includes selecting a region independent IMSI associated with region-independence indication data to register with a cellular network.

5. A computer-implemented method according to any preceding claim, wherein selecting an IMSI from the set of IMSIs includes prioritizing a private IMSI associated with the geographic location of the host device at the second time.

6. A computer-implemented method according to any preceding claim, wherein the second process comprises:

if the attempting to register with the cellular network using the selected IMSI is unsuccessful: selecting a further IMSI from the set of IMSIs to be the selected IMSI; and attempting to register with the cellular network using the selected further IMSI; and/or

if the attempting to register with the cellular network using the selected IMSI is successful and no cellular network connectivity is provided to the host device: selecting a further IMSI from the set of IMSIs to be the selected IMSI; and attempting to register with the cellular network using the selected further IMSI.

7. A computer-implemented method according to any preceding claim, wherein a single set of authentication data is associated with each IMSI of the set of IMSIs or at least part of IMSIs in the set of IMSIs are associated with different sets of authentication data.

8. A computer-implemented method according to any preceding claim, wherein the second process is triggered independently of the first process.

9. A host device comprising at least one processor and storage comprising computer-executable instructions which, when executed by the at least one processor, cause the at least one processor to perform a computer-implemented method according to any of claims 1 to 8.

10. A computer-implemented method for enabling a host device to obtain cellular network connectivity, the method comprising:

receiving a request to provide a profile data structure to a host device,

generating the profile data structure comprising a first set of two or more International Mobile Subscriber Identities, IMSIs, and authentication data associated therewith,

wherein:

the first set of two or more IMSIs is selectable from a second set of three or more IMSIs;

the second set of IMSIs comprises one or more shared IMSIs and one or more private IMSIs, the one or more shared IMSIs being included in a plurality of profile data structures that are available to one or more further host device and the one or more private IMSIs being uniquely included in the profile data structure downloaded to the host device; and

wherein the second set of IMSIs comprises at least one region-independent IMSI associated with region-independence indication data and at least one region-dependent IMSI associated with regional indication data; and

wherein the generating the profile data structure comprises:

using a provisioning system to batch the second set of three or more IMSIs into a plurality of batched sets of two or more IMSIs, each batched set of two or

more IMSIs comprising at least one shared IMSI and at least one private IMSI; and

selecting the first set of two or more IMSIs from the batched sets of two or more IMSIs; and

transmitting the profile data structure for receipt by the host device.

11. A computer-implemented method according to claim 10, the method comprising receiving data indicating a number of times that IMSIs in the second set of IMSIs have been used by other host devices, and wherein the first set of IMSIs are selected based on the data indicating the number of times that IMSIs in the second set of IMSIs have been used by other host devices.

12. A computer-implemented method according to claim 11, wherein selecting the first set of IMSIs based on the data indicating the number of times that IMSIs in the second set of IMSIs have been used by other host devices comprises prioritising IMSIs of the second set of IMSIs which are associated with fewer uses than other IMSIs of the second set of IMSIs and/or prioritising IMSIs of the second set of IMSIs which are associated with fewer uses in the geographic location than other IMSIs of the second set of IMSIs.

13. A computer-implement method according to claim 12, wherein prioritising IMSIs of the second set of IMSIs is time dependent such that different IMSIs are prioritized at different points in time.

14. A computer system communicatively coupled to a cellular network, the computer system comprising at least one processor and storage comprising computer-executable instructions which, when executed by the at least one processor, cause the computer system to perform a method according to any of claims 10 to 13.

15. A non-transitory computer-readable storage medium comprising computer-executable instructions which, when executed by at least one processor, cause the processor to perform a method according to any of claims 1 to 8 or 10 to 13.