**3GPP TSG-SA WG1 Meeting #92e S1-204205**

**Electronic Meeting, 10 - 19 November 2020** *(revision of S1-20xxxx)*

Title: FS\_GET Feature affected by Extraterritoriality – Network Access

Agenda Item: 7.5.1

Source: TNO

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*Abstract: This contribution proposes a section on Network Access for the FS\_GET TR 22.926.*

===================Proposed Change==========================

## 6.x Network access

Countries provide frequency licenses for terrestrial networks. Non-terrestrial networks can cover multiple countries and extra-territorial areas. When a non-terrestrial network uses spectrum that is subject to licensing in a specific country or region the non-terrestrial network will have to ensure it has permission from the countries or regions that are covered. Note furthermore it may be possible that a non-terrestrial network cannot get the same frequency bands in all countries it covers. Non-terrestrial networks will have to ensure that their use of radio spectrum in each country or region complies with the frequency license they have in that country or region and the frequency regulation of the sovereign territories which border that country or region.

Regional/national regulators may also define exclusion areas where non-terrestrial communication is not allowed. Operators of non-terrestrial network should ensure that their networks are switched off in exclusion areas.

National regulators can assign numbers and identifiers to the network operator (e.g. Mobile Network Code, IMSI/SUPI ranges, E.164 numbers). Also the ITU can provide MNCs (with the Mobile Country Code 901) and E.164 numbers (country code 88x). Mobile and satellite networks broadcast one (or more in case of network sharing) Mobile Country Code (MCC) and Mobile Network Code (MNC) combinations. Broadcast of the MCC for one country in another country should be avoided. This may be a challenge for satellite operators that have large radio cells. An option is to use the international MCC 901. Using the international MCC is also a good choice for extra-territorial areas.