**3GPP TSG-SA WG1 Meeting #98e S1-221120r1**

**Electronic Meeting, 9 – 19 May 2022** *(revision of S1-221120)*

**Source: China Unicom**

**pCR Title: Pseudo-CR on Introduction of TR 22.851**

**Draft Spec: 3GPP TR 22.851**

**Agenda item: 7.5**

**Document for: Approval**

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*Abstract: In order to contribute to the Introduction of TR 22.851, this document describes the most basic content of the TR. With the further work of TR, it would be improved.*

\* \* \* First Change \* \* \* \*

# Introduction

Network sharing enables operators to maximize rollout and improve overall network quality. The 3GPP system supports different types of network sharing since Rel-5, most of which are inherited by 5G (Rel-15 onward). With the expanding of 5G deployments more network sharing scenarios can arise, depending on different operators’ strategies, commercial agreements, and specific rules/legislation in different countries. One of the challenges for the Participating Operator is the maintenance of the interconnections (e.g. number of network interfaces) between the shared NG-RAN and its own core networks, especially in the case of a large number of the shared base stations. It is therefore suggested to investigate other type of network sharing scenarios, where a NG-RAN is shared among multiple operators without necessarily assuming a direct connection between the shared radio access network and the Participating Operator’s core network.

\* \* \* Next Change \* \* \* \*

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[x1] 3GPP TS 23.251: "Network Sharing; Architecture and functional description".

[x2] 3GPP TS 23.501: "System architecture for the 5G System (5GS)".

[x3] 3GPP TS 38.300: "NR; NR and NG-RAN Overall Description".