**3GPP TSG-SA5 Meeting #155 *S5-243092***

Jeju, South Korea, 27 - 31 May 2024

**Title: Reply LS on “ongoing work on Network Digital Twin”**

**Response to: LS (S5-242368) on ongoing work on Network Digital Twin from ETSI ISG ZSM**

**Release: 3GPP Rel-19**

**Work Item: FS\_NDT**

**Source: 3GPP SA5**

**To: ETSI ISG ZSM**

**Cc: TM Forum, ITU-T SG11, ITU-T SG13, ETSI F5G, ETSI NFV, IETF**

**Contact person: Yushuang Hu**

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**Send any reply LS to: 3GPP Liaisons Coordinator, mailto:3GPPLiaison@etsi.org**

**Attachments:** None

# 1 Overall description

3GPP SA5 would like to thank ETSI ISG ZSM for sharing the progress of ongoing work on Network Digital Twin.

3GPP SA5 would like to share with you the information that we have defined the term "NDT" in the 3GPP management system in TR 28.915 (Study on management aspects of Network Digital Twin SP-231727) based on the descriptions in ETSI GS ZSM015. The term is provided as follows:

***Network digital twin (NDT):*** *a virtual replica of mobile network or part of one, that captures its attributes, behaviour and interactions.*

*NOTE: Mobile network includes both RAN and Core.*

Several use cases are identified and agreed at SA5#155 and the requirements and potential solutions for some are discussed. 3GPP SA5 welcomes further discussion and collaboration on Network Digital Twin with ETSI ISG ZSM. Recognizing the synergy between ETSI GS ZSM018 and SA5 TR 28.915 would be beneficial.

# 2 Actions

**To ETSI ISG ZSM**

**ACTION:** 3GPP SA5 respectfully requests ETSI ISG ZSM to take the above information into consideration.

# 3 Dates of next TSG SA WG 5 meetings

SA5#156 19 August - 23 August 2024 Maastricht, Netherlands

SA5#157 14 October - 18 October 2024 India