**3GPP TSG-SA3 Meeting #115 *draft\_S3-240839-r1***

Athens, Greece, 26th February - 1st March 2024

**Title: Reply LS to GSMA on re Definition of Term ‘Network Product Class’**

**Response to: (S3-240229) LS to 3GPP SA3 re Definition of Term ‘Network Product Class’**

**Release: Rel-18**

**Work Item: 5G\_SCAS\_Ph3**

**Source: Huawei to be SA3**

**To: GSMA’s NESAS Group**

**Cc:**

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

**Attachments:** None

# 1 Overall description

Thanks for the questions. Please find the answer in below.

**Question1:** What is the purpose of the term Network Product Class, what does it describe and why was it introduced by SA3?

**Answer1:** The definition of Network Product Class is captured in TR 33.926, and more details can be found in clause 4.1 of TR 33.926. In 4.3.1 of TR 33.926, Figure 4.3-1 shows Network Product Class contains 3GPP defined functions, OS, Hardware, Other functions, OAM and several interfaces.

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### *4.3.1 Generic network product model overview*

*Figure 4.3-1 depicts the components of a generic network product model at a high level.
These components are further described in the following subclauses.*

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*Figure 4.3-1: GNP model*

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**Question2**: Is the term Network Product Class equal to Network Function?

**Answer2:** The Network Functions are terms referring to 3GPP functions defined in 5G timeline, such as. AMF, SMF, etc. Thus, Network Functions falls into a part of Network Product Class as the figure showing in 4.3-1.

**Question3**: What is the relationship or distinction between the terms Network Product Class, Network Function, and Network Product?

**Answer3:** The “Network Function” equals with the “3GPP defined functionalities” as defined in TR 33.926. The “Network Product Class” or “Class of Network Product” has implemented a common set of “Network Functions” as defined in TR 33.916. The instantiation of a network product class refers to a “Network Product” as defined in TR 33.916.

**Question4**: Is the above NESASG interpretation of the terms correct, based on SA3’s understanding?

**Answer4:** The NESASG interpretation is partly correct, because the SCASes are defined per “Network Product Class” or “Class of Network Product”, i.e., the SCASes are testing against an implemented including common set of 3GPP defined functionalities, Hardware, Operating System, Software, and the Interfaces (see Clause 4.2 of TR 33.926).

# 2 Actions

**To GSMA’s NESAS Group**

**ACTION:** Please take the above information into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#115AdHoc-e 15 - 19 April 2024 Electronic meeting

SA3#116 20 - 24 May 2024 Jeju (South Korea)

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)