**3GPP TSG-SA5 Meeting #143-e *S5-223106***

e-meeting, 9 - 17 May 2022

**Source: Ericsson**

**Title: Adding service identifier based solution to clause 5.3**

**Document for: Approval**

**Agenda Item: 7.5.2**

# 1 Decision/action requested

**Include the proposed changes in TR 28.826.**

# 2 References

[1] 3GPP TR 28.826: " Study on Nchf charging services phase 2 improvements and optimizations"

# 3 Rationale

Background for clause 5.3 and new solutions in clause 5.3 based on service identifier and use of string for rating group.

# 4 Detailed proposal

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| **First change** |

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#### 5.3.5.y Solution #3.y Enhancement of rating group and service identifier using string

A possible solution for key issues 3a, 3b, and 3c, enhancement of input to CHF rating.

Both the rating group and service identifiers are today defined as unsigned 32-bit integers, even if the number of groups and identifiers can be 4294967296 it still this means that there is a limited amount of information that can be transferred. It is also not possible to group or in other way sort the rating groups and service identifiers in any easy way. Changing the rating group and service identifiers to strings would allow more information to be transported, grouping based on common information in the strings, and human readable information.

Having the rating group as string will also allow it to be used as the key in OpenAPI maps.

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| **End of changes** |