**3GPP TSG-WG SA2 Meeting #141E *S2-2007389r22***

**Elbonia, October 12 – 23, 2020 (revision of S2-2007389+6860+7014+7278+7292+7724)**

**Source: Qualcomm Incorporated, InterDigital, Ericsson**

**Title: Interim conclusion for Key Issue #8: UE data as an input for analytics generation**

**Document for: Approval**

**Agenda Item: 8.1**

**Work Item / Release: FS\_eNA\_Ph2 / Rel-17**

*Abstract: This contribution proposes the interim conclusion for KI#8.*

# 1. Introduction

This contribution proposes the interim conclusion for KI#8: UE data as an input for analytics generation.

# 2. Text Proposal

It is proposed to capture the following new text in TR23.700-91.

\* \* \* \* Start of Changes \* \* \* \*

# 8 Conclusions

Editor's note: This clause is intended to list conclusions that have been agreed during the course of the study item activities. This should also capture the guiding principles and documentation approach for creating CRs to normative specifications within the responsibility of SA WG2.

## 8.8 Key Issue #8: UE data as an input for analytics generation

The followings are agreed as interim conclusion for Key Issue #8.

For UE data reporting procedure:

- The user plane based solution is agreed for UE data collection. NWDAF interacts with an AF in the MNO domain or an AF external to MNO domain to collect UE data as an input for analytics generation. The data provided by the MNO AF or external AF to NWDAF is based on collected data from UE over user plane.

- The UE Application is configured with the address of the AF to contact. The UE Application may be configured to contact an AF in MNO domain (i.e. a trusted AF) or an AF external to the MNO domain (i.e. an untrusted AF). How the AF is configured for UE data collection will be developed by SA4 and feedback from SA4 will be considered if there is any SA2 work to be done.

- The NWDAF to (MNO) AF interface based on Naf\_EventExposure is reused and should be extended if new input data from the UE based on user plane data collection as above is needed.

NOTE 1: For existing input data/ parameters supported for Naf\_EventExposure, NWDAF contacts a trusted AF (directly) or untrusted AF (via NEF) as defined in Rel-16.

- The user plane based solution can be applied to collect input data for both 3GPP defined services and non-3GPP defined services.

Editor´s Note: How to correlate NWDAF request for input data, if the request contains the SUPI and internal Application Id, and the input data provided by the UE application to the MNO AF uses the UE IP address/prefix and the external Application Id is FFS and defined by SA2.

For UE data reporting parameters:

- SA2 shall define the input data for Naf\_EventExposure between NWDAF and (MNO) AF.

- The input data from UE to (MNO) AF (including directly or indirectly i.e. via ASP server, data reporting) is out of SA2’s scope.

- (MNO) AF may perform anonimization, aggregation or normalization of the input data provided by the UE before providing this to NWDAF.

- It is recommended to conclude the following input data for Naf\_EventExposure in normative work.

- Collective (UE Behaviour) Attribute per list of UE IDs which includes Route, Destination, Average Speed, Time Interval spent per location. The NF load analytics will be enhanced based on this input data and/ or other exsiting input data from MDT.

- The Observed Service experience data collection that defined for Naf\_EventExposure in Rel-16 will be extended with, at least, service experience contribution.

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Editor’s Note: All the other UE data reporting parameters related to KI#8 are not precluded, the final UE data reporting parameters will be concluded in SA2#142E meeting.

\* \* \* \* End of Changes \* \* \* \*