**3GPP TSG-SA5 Meeting #143-e *S5-223364***

e-meeting, 9 - 17 May 2022

**Source: China Mobile, HUAWEI**

**Title: TS 28.317 Usecases and requirements for ARCF data handling**

**Document for: Approval**

**Agenda Item: 6.4.1.1**

# 1 Decision/action requested

***Discuss and approve on the proposal.***

# **2 References**

[1] SP-211431 New WID on Self-Configuration of RAN Nes

[2] S5-222726 TS 28.317 v0.1.0

# **3 Rationale**

This document is going to provide proposals on usecases and requirements for ARCF data handling.

# **4 Detailed proposal**

This document proposes the following updates for TS 28.317.

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| **1st Change** |

# Management capabilities

### 5.1 ARCF data handling

#### 5.1.1 Use cases

ARCF data are the data which are required for successful activation (of e.g. cell, gNB) that require coordination between several cells and cannot be generated by management system with self-configuration capability (e.g., SCS defined in TS 28.314).

The goal of the ARCF data handling is to transfer the ARCF data to the management system with self-configuration capability and ensure that it is valid when it is used during self-configuration.

The ARCF data is provided by MnS consumer (e.g. another management system who generates ARCF data). How to generate the ARCF data in MnS consumer is out of scope of the present document.

The management system with self-configuration capability needs to obtain the ARCF data to perform self-configuration process. The MnS consumer will provide the ARCF data to management system with self-configuration capability directly or indicate it where the ARCF data is available and it can retrieve the data from there.

Before management system with self-configuration capability obtain the ARCF data, it may indicate need for ARCF data to the MnS consumer.

When management system with self-configuration capability receive the ARCF data, it may perform ARCF data validation to validate the syntax and semantics of ARCF data.

Editor's Note: whether it needs to define a concrete logical entity or function for management system with self-configuration capability and management system who generates ARCF data is FFS.

#### 5. 1. 2 Requirements

**REQ-ARCF -1:** 3GPP management system shall have the capability to allow its authorized MnS consumer to transfer the ARCF data to 3GPP management system or indicate 3GPP management system where the ARCF data is available for downloading.

**REQ-ARCF -2:** 3GPP management system shall have the capability to allow its authorized MnS consumer to request to validate the previously downloaded ARCF data.

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| **End of change** |