**3GPP TSG-SA3 Meeting #108e-AdHoc *draft\_S3-222930-r1***

**e-meeting, 10 - 14 October 2022**

**Title: Reply LS on Network federation interface for Telco edge consideration**

**Response to: S3-222467 Forward on S6-222332, LS on Network federation interface for Telco edge consideration**

**Release: Rel-18**

**Work Item: FS\_EDGE\_Ph2**

**Source:** **3GPP SA3**

**To: 3GPP SA6, 3GPP SA2, 3GPP SA5, 3GPP SA**

**Cc: 3GPP CT, 3GPP CT1, 3GPP CT3, 3GPP CT4**

**Contact person: Bo Zhang**

 **zhangbo6@huawei.com**

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

**Attachments:**

# 1 Overall description

SA3 would like to thank the SA6 for their LS on Network federation interface for Telco edge consideration.

Regarding clause 5 of East West Bound Interface (EWBI) APIs PRD, i.e. “*Transport Level Security (TLS) shall be used to support the security communication between the OPs. The access to the E/WBI APIs shall be authorized by means of OAuth2 protocol (see IETF RFC 6749 [4]), based on local configuration, using the "Client Credentials" authorization grant. If OAuth2 is used, a client, prior to consuming services offered by an OP E/WBI APIs, shall obtain a "token" from the authorization server*.”, SA3 has discussed in the details and provides the following feedbacks:

1. It would be better to give the details on how to define the procedures of the OAuth2 protocol, such as which network function will take the OAuth Authorization server role, what will be included in the token, etc. TS 33.501 clause 13.4 may be referred here for the details.

2. In general, OAuth2 protocol is an optional feature. And its usage will depend on the operator policy. Both the static authorization defined in TS 33.501 clause 13.3.0, and OAuth2 protocol can be selected to perform the authorization for 5G. Hence, SA3’s suggestion would be “*The access to the E/WBI APIs shall be authorized by means of OAuth2 protocol (see IETF RFC 6749 [4]), or based on static authorization*”.

3. *"Client Credentials" authorization grant* can be removed. From SA3 point of view, it is used for the authentication, rather than the authorization.

SA3 asks SA2, SA5 and SA6 to review the above technical response, which could be taken as the input for the coordinated LS response sent by 3GPP SA to GSMA OPAG in December.

# 2 Actions

**To SA2, SA5, SA6, SA**

**ACTION:** SA3 would like to ask the SA2, SA6, SA5 and SA to take the above information into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#109 14 - 18 November 2022 Toulouse, France

SA3#109-Bis 10-14 October 2022 TBD