**3GPP TSG-SA3 Meeting #101-e *draft\_S3-202805-r3***

**e-meeting, 09 – 20 November 2020**

**Title:** Draft LS: Misalignment on access token request requirement TS 29.510 and 33.501

**Response to:**

**Release:** Rel-15 and Rel-16

**Work Item:** 5GS\_PH1-SEC, 5G\_eSBA

**Source:** SA3

**To:** CT4

**Cc:**

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

SA3 would like to inform CT4 that SA3 had a discussion on the following requirements in TS29.510:

1. Under clause 6.1.8: “If Oauth2 authorization is used, an NF Service Consumer, prior to consuming services offered by the Nnrf\_NFManagement API, shall obtain a "token" from the authorization server, by invoking the Access Token Request service, as described in clause 5.4.2.2”
2. Under clause 6.2.8: “If Oauth2 authorization is used, an NF Service Consumer, prior to consuming services offered by the Nnrf\_NFDiscovery API, shall obtain a "token" from the authorization server, by invoking the Access Token Request service, as described in clause 5.4.2.2”

TS 33.501 has documented that registration at NRF is a pre-requisite to the NF Service Consumer to get a token. Also it is documented in NOTE: "When a NF accesses any services (i.e., register, discover or request access token) provided by the NRF, the OAuth 2.0 access token for authorization between the NF and the NRF is not needed." Some companies therefore believe that Oauth2 authorization before registration is not needed for these two APIs.

SA3 would like to inform CT4 that it is SA3’s understanding that obtaining a “token” by the NF service consumer from the authorization server by invoking the Access Token Request service is required for Nnrf\_NFManagement API or the Nnrf\_NFDiscovery API only when the Oauth2 authorization is used for that particular API. In other words, if Oauth2 authorization is not used for these two APIs, a “token” is not required to invoke them by the NF service consumer even if the Oauth2 authorization is used by the NF service consumer to consume other APIs.

SA3 would like CT4 to take the above information into consideration and update TS 29.510 specification accordingly.

**2. Actions:**

**To CT4 group.**

**ACTION:** SA3 kindly request CT4 to update TS 29.510 accordingly by taking into consideration of the above information.

**3. Date of Next TSG-SA WG3 Meetings:**

SA3#101-bis-e 18 - 22 January 2021 e-meeting

SA3#102-e 22 February – 05 March 2021 e-meeting