

eEdge_5GC: UE handling of DNS configuration Way Forward Proposal

Apple, OPPO, Sony, Microsoft, vivo, Lenovo, Motorola Mobility

Introduction



- There is one outstanding and contentious issue in Rel-17 WI eEdge_5GC
- TS 23.548 clause 6.2.3.2.2 “EAS Discovery Procedure with EASDF” contains the following Editor’s Note:
 - How to guarantee that the UE uses the EASDF's IP address for the subsequent DNS Query in step 8 is FFS.
- The main concern highlighted in [S2-2106480r05](#) discussed in SA2#146-e is “HLOS overriding the DNS settings provided to the UE by the CN represents a serious problem for the deployment of enhancements to better support Edge Computing application.”

We object to the proposal in S2-2106480r05 and dispute the validity of the concern raised above as mobile OSs already address this today

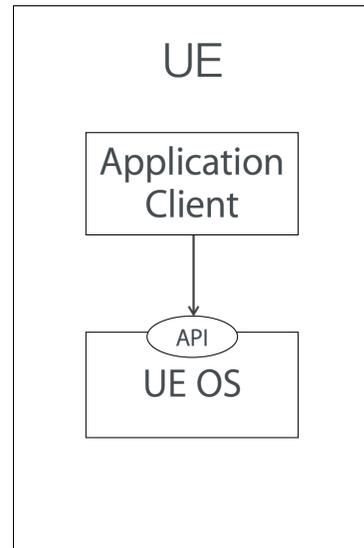
Proposed way forward

- As a compromise, we propose that no exception is granted to SA2 on eEdge_5GC for Q4
- We propose that SA2 review this topic in a future release (e.g. Rel-18), since solutions to the problem raised in S2-2106480r05 already exist today*
- In this potential future work, SA2 must re-evaluate the EN below based on additional inputs provided on the available OS interfaces today
 - How to guarantee that the UE uses the EASDF's IP address for the subsequent DNS Query in step 8 is FFS.

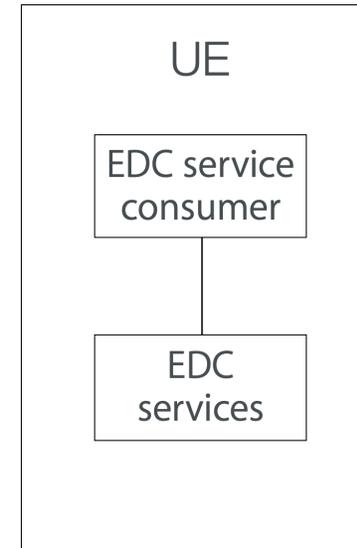
*Refer to Annex in slide 5

Thank you!

Annex: Current implementation vs EDC



API providing same functionality as EDC services is implemented today*



Proposal in [S2-2106480r05](#)

*Public references available here for [Android](#) and [iOS](#)

Annex: SA2 Timeline

