Minutes of eEdge\_5GC conference call (2021.01.22 14:00-16:00 UTC)

**Agenda:**

1. Discussion on contentious issues:

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| Qualcomm/Vodafone | <https://www.3gpp.org/ftp/Email_Discussions/SA2/eEdge_5GC/CC_0629/S2-210xxA1%20TS%2023.548%20EDC%20for%20EAS%20discovery_v1.1.doc> |
| Huawei | <https://www.3gpp.org/ftp/Email_Discussions/SA2/eEdge_5GC/CC_0629/Discussion%20on%20the%20EC%20contentious%20issue%20v1.pptx> |

1. ECS Address Configuration(not discussed due to time limitation)

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| --- | --- |
| Qualcomm | <https://www.3gpp.org/ftp/Email_Discussions/SA2/eEdge_5GC/CC_0629/S2-210xxB1%20DP%20ECS%20address%20configuration%20provisioning_v1.0.doc> |

**Attendees (Not complete):**

Riccardo Guerzoni, Farooq Bari, Fenqin Zhu, Hui Ni, Huazhang, Jicheol Lee, John Kaippallimalil, Madella Mario, Magnus H, Serge M, Changhong, Sudeep M Vamanan, Laurent, Wang Dan, Zhuoyun Zhang, Tang Tingfang, Yasuo Sugawara, Achari Kakinada, Agbede, Chunshan, Hyesung, Quedia Chelibane, Tangqing Liu, Xinpeng, Yuan.....

**Minutes from Rapporteur:**

1. **Dario presented S2-210xxA1 TS 23.548 EDC for EAS discovery\_v1.1.doc**

Mario: Does this approach work for clean DNS only or also for encrypted?

Dario: Also for encrypted DNS if EDC is used. It assumes the application want to use the EDC.

Riccardo: If there are multiple PDU sessions, how to decide which PDU Session should be used. Dario: To be clarified.

Sudeep questioned the meaning of “3GPP certified DNS implementation”

Magnus asked how the UE knows EDC should be used. Dario: Up to the application.

Discussion on the interaction/protocol between EDC and EASDF/DNS.

Question raised on the necessary of introducing a new EDC module within UE. Dario: This approach is to guarantee EASDF be used.

Hui/Jicheol clarified that existing legacy UE can use Rel-17 EASDF solution without change.

Dario: Not intent to prevent legacy UE to use EASDF, but just provide a way to guarantee UE (if want) reaches EASDF.

John: How this work if an application have different components for cloud and for edge?

Tingfang: Application client need to know it is for EC. Who should define the API?

Dario: Not for all applications. Maybe defined in CT1.

Discussion on the target scenario of the solution.

Dario clarified the issue is the operator deployed the solution but don’t know if the Application will use the DNS server. This is a compromise that EC-aware application (that want to use the EASDF) can be guaranteed to use EASDF. Not to prevent EC-unaware or other applications to use other methods.

Zhuoyun: It need to double check whether OS overwriting is a valid case or not.

Huazhang: Current Android cannot overwrite the OS DNS. User provided DNS can just be prioritized.

Discussion on the dependencies of the solution to UE OS.

Farooq/Dario: The solution have impact to OS. Sudeep: This is not in 3GPP scope.

Mario asked whether the EDC should be in Modem or other layers. Dario: Could be in modem.

Magnus/Fenqin: If the EDC is in the modem, how the EDC send this DNS message, do you have an IP layer in the modem?

Jicheol: If with the EDC, does the SMF need to send two DNSs to the UE, one for EDC, one for OS? How the application can decide whether use EDC or normal DNS client.

Dario: No, the SMF only send EASDF or other DNS server to the UE. EDC make sure it can be used. SMF can tell the UE that the DNS is for EC, so the EDC can be used.

Laurent: Even if we accept this, this doesn’t prevent the network to detect when the DNS is not targeting EASDF.

Hui: This shall not be a mandatory feature anyway.

1. **Hui presented Discussion on the EC contentious issue v1.pptx**

On Questions for SoH in next meeting:

Farooq/Dario: Q2 in slide 4 needs to be updated based on new UE based proposal.

Hui: Q2 can be revised offline based on the discussion of the UE solution.

Discussed each question in slide 5/6 and why companies think the corresponding solution is/is not needed.

The summary is recorded in slide 5/6 below.



Meeting closed.