**3GPP TSG-CT3 Meeting # C3-220323**

**E-Meeting, 17th – 21th January 2022**

**Source: China Mobile**

**Title: Pseudo-CR on general description of using Common API Framework**

**Spec: 3GPP TS 29.538 v0.2.0**

**Agenda item: 17.34**

**Document for: Approval**

**1. Introduction**

This pCR is to propose the general description of using common API framework section of TS 29.538.

**2. Reason for Change**

Contributing new text.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.538 v0.2.0.

\* \* \* First Change \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.554: "Application architecture for MSGin5G Service".

[3] 3GPP TS 22.262: "Message Service within the 5G System".

[4] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".

[5] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces Stage 3".

[6] OpenAPI: "OpenAPI Specification Version 3.0.0", <https://spec.openapis.org/oas/v3.0.0>.

[X] 3GPP TS 23.222: " Functional architecture and information flows to support Common API Framework for 3GPP Northbound APIs; Stage 2".

[Y] 3GPP TS 29.222: "Common API Framework for 3GPP Northbound APIs; Stage 3".

\* \* \* Next Change \* \* \* \*

## 11.1 General

When CAPIF is used with a MSGin5G service, the MSGin5G server shall support the following as defined in 3GPP TS 29.222 [Y]:

- the API exposing function and related APIs over CAPIF-2/2e and CAPIF-3/3e reference points;

- the API publishing function and related APIs over CAPIF-4/4e reference point;

- the API management function and related APIs over CAPIF-5/5e reference point; and

- at least one of the security methods for authentication and authorization, and related security mechanisms.

In a centralized deployment as defined in 3GPP TS 23.222 [X], where the CAPIF core function and API provider domain functions are co-located, the interactions between the CAPIF core function and API provider domain functions may be independent of CAPIF-3/3e, CAPIF-4/4e and CAPIF-5/5e reference points.

When CAPIF is used with a MSGin5G service, the MSGin5G server shall register all the features for northbound APIs in the CAPIF Core Function.

\* \* \* End of Changes \* \* \* \*