**3GPP TSG-SA WG1 Meeting #108 S1-244804**

**Orlando, Florida, USA, 18-22 November 2024** *(revision of 574, 666, 668)*

Title: Proposal for migration aspects

Agenda Item: 8.1.1 System and Operation Aspects

Source: Apple

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*Abstract: This contribution proposes one approach for documenting migration requirements by combining an exclude list with an include list. The requirements proposed is a first draft and can be further elaborated.*

---------- Proposed changes ----------

## 5 System and Operational Aspects

Editor's Note: "System and Operational Aspects" facilitates system and network operation features that underpin overall operation, covering aspects that apply across use cases and services, and those that relate to network operations. These aspects include, for example: migration scenarios, interworking with earlier 3GPP systems, interworking with non-3GPP system, roaming and interconnection, network simplification, network sharing, security, privacy, resilience, sustainability and energy efficiency, device diversity, support of legacy services

## 5.1 Support of legacy services and capabilities

5.1.1 Description

In addition to new services envisioned for the 6G system, there are existing services specified in 3GPP for previous 3GPP generations. It is envisioned that some of these existing services could be deemed as required for support in the 6G system, while others are not or at least not in the first Release of 6G.

5.1.2 Potential Requirements

Editor's note: granularity and definition of all items listed in this clause is to be considered.

Editor's note: each item needs to have a reference e.g. to a specific TS and clause

The 6G system shall support the following:

- …

The following are not supported in the 6G system:

- CS voice service continuity

Editor's note: further exceptions are FFS.

Annex

5.X Support of Existing 3GPP System Services in 6G

The following is a list of 5G services for which SA1 has defined requirements for.

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Services | SA1 TS | Latest release |
| Legacy services | IMS MMTEL | TS 22.261; TS 22.173  | Rel-19; Rel-18 |
| IMS Data Channel (IMS DC) | TS 22.261; TS 22.173 | Rel-19; Rel-18 |
| Multimedia priority service (MPS) | TS 22.153 | Rel-19 |
| Public Warning System (PWS) | TS 22.268 | Rel-18 |
| Emergency Calls | TS 22.101 | Rel-19 |
| Message service | TS 22.262; TS 22.261 | Rel-18; Rel-19 |
| Roaming | TS 22.261; TS 22.101;TS 22.011 | Rel-19 |
| Roaming Value-Added Services (RVAS) | TS 22.261 | Rel-19 |
| Supporting services | Positioning services | TS 22.261 | Rel-19 |
| Location service (LCS) | TS 22.071 | Rel-18 |
| Ranging-based services | TS 22.261 | Rel-19 |
| Proximity-based services (ProSe) | TS 22.261 | Rel-19 |
| Timing Resiliency System (TRS) | TS 22.261; TS 22.104  | Rel-19 |
| Specialized services | Cyber-physical control applications in vertical domains (CAV) | TS 22.104; TS 22.261  | Rel-19 |
| Maritime communication services | TS 22.119; TS 22.179; TS 22.280; TS 22.281; TS 22.282; TS 22.261; TS 22.346; TS 22.468 | Rel-18; Rel-19; Rel-19; Rel-18; Rel-18; Rel-19; Rel-18; Rel-18 |
| Unmanned Aerial System (UAS)  | TS 22.125 | Rel-19 |
| V2X | TS 22.186; TS 22.185 | Rel-18 |
| Video, Imaging and Audio for Professional Applications (VIAPA) | TS 22.263 | Rel-18 |
| Mission Critical Push to Talk (MCPTT) | TS 22.280; TS 22.179 | Rel-19 |
| Mission Critical (MC) video | TS 22.280; TS 22.281 | Rel-19; Rel-18 |
| Mission Critical (MC) data | TS 22.280; TS 22.282 | Rel-19; Rel-18 |
| Mobile communication system for railways | TS 22.289; TS 22.280; TS 22.281; TS 22.282; TS 22.179 | Rel-18; Rel-19; Rel-18; Rel-18; Rel-19 |
| Group Communication | TS 22.468 | Rel-18 |
| Smart Energy and Infrastructure | TS 22.104; TS 22.261  | Rel-19 |
| Localized services | TS 22.261 | Rel-19 |
| Audio-Visual Service Production (AVPROD) | TS 22.261 | Rel-19 |
| Critical Medical Applications (CMED) | TS 22.261; TS 22.104; TS 22.263 | Rel-19 |
| Broadcast/multicast service | TS 22.261 | Rel-19 |
| TV services | TS 22.101 | Rel-19 |
| Ethernet transport services | TS 22.261 | Rel-19 |
| LAN-type service | TS 22.261; TS 22.278 | Rel-19; Rel-18 |

Editor’s Note: The above is not an exhaustive list, but rather a check list for study. Details of these services will be studied in sub-clauses. Whether a new clause is needed will be revisited later.