**3GPP TSG-CT WG1 Meeting #136eC1-22abcd**

**E-meeting, 12-20 May 2022 (was C1-223771)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.007** | **CR** | **0144** | **rev** | **1** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Include TS 24.538 among the layer 3 related technical specifications | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GMARCH, TEI17 | | | | |  | ***Date:*** | | | 2022-05-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) ... Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | TS 24.538 is not listed as a layer 3 related technical specifications when the specification makes use of TS 24.007. | | | | | | | | |
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| ***Summary of change:*** | | Update to the reference section and clause 4.3.4 "Contents of layer 3 related Technical Specifications" to add TS 24.538. | | | | | | | | |
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| ***Consequences if not approved:*** | | Lack of TS 24.538 as one of the technical specifications using TS 24.007. Inconsistent specification. | | | | | | | | |
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| ***Clauses affected:*** | | 2, 4.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* 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] GSM 01.02(R97): "Digital cellular telecommunications system (Phase 2+); General description of a GSM Public Land Mobile Network (PLMN)".

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

[2] 3GPP TS 23.101: "General UMTS Architecture".

[3] 3GPP TS 44.001: "Mobile Station ‑ Base Station System (MS ‑ BSS) interface; General aspects and principles".

[3a] 3GPP TS 23.060: "General Packet Radio Service (GPRS) description; Stage 2".

[3b] GSM 03.56(R98): "Digital cellular telecommunications system (Phase 2+); GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2".

[3c] 3GPP TS 23.271: "Functional stage 2 description of location services".

[4] 3GPP TS 44.005: "Data Link (DL) layer; General aspects".

[5] 3GPP TS 44.006: "Mobile Station ‑ Base Station System (MS ‑ BSS) interface; Data Link (DL) layer specification".

[5a] 3GPP TS 44.014: "Individual equipment type requirements and interworking; Special conformance testing functions".

[6] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification Core Network Protocols-Stage 3".

[6a] 3GPP TS 23.108: "Mobile radio interface Layer 3 specification Core Network Protocols Stage 2 (structured procedures)".

[6b] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".

[7] 3GPP TS 24.010: "Mobile radio interface Layer 3; Supplementary services specification; General aspects".

[8] 3GPP TS 24.011: "Point‑to‑Point (PP) Short Message Service (SMS) support on mobile radio interface".

[8a] 3GPP TS 44.071: "Location Services (LCS); Mobile radio interface layer 3 LCS specification".

[9] 3GPP TS 24.080: "Mobile radio Layer 3 supplementary services specification; Formats and coding".

[10] 3GPP TS 24.081: "Line identification supplementary services; Stage 3".

[10a] 3GPP TS 44.060: "General Packet Radio Services (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol".

[10b] 3GPP TS 44.056: "GSM Cordless Telephony System (CTS), phase 1; CTS radio interface Layer 3 specification".

[11] 3GPP TS 24.082: "Call Forwarding (CF) supplementary services - Stage 3".

[11a] 3GPP TS 44.064: "General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification".

[12] 3GPP TS 24.083: "Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3".

[12a] 3GPP TS 44.065: "General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)".

[13] 3GPP TS 24.084: "MultiParty (MPTY) supplementary services; Stage 3".

[14] 3GPP TS 24.085: "Closed User Group (CUG) supplementary services; Stage 3".

[15] 3GPP TS 24.086: "Advice of Charge (AoC) supplementary services; Stage 3".

[16] 3GPP TS 24.088: "Call Barring (CB) supplementary services; Stage 3".

[17] 3GPP TS 24.090: "Unstructured Supplementary Service Data (USSD) - Stage 3".

[17a] 3GPP TS 34.109: "Terminal logical test interface; Special conformance testing functions".

[18] ITU-T Recommendation X.200: "Information technology - Open Systems Interconnection - Basic Reference Model: The basic model".

[19] 3GPP TS 44.068: "Group Call Control (GCC) Protocol".

[20] 3GPP TS 23.110: "UMTS Access Stratum Services and Functions".

[21] 3GPP TS 24.030: "Location Services (LCS); Supplementary service operations – Stage 3".

[22] 3GPP TS 23.251: "Network Sharing; Architecture and functional description".

[23] 3GPP TS 25.413: "UTRAN Iu interface RANAP signalling".

[24] 3GPP TS 36.331: "Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC) protocol specification".

[25] 3GPP TS 24.301: "Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3".

[26] 3GPP TS 36.509: "Evolved Universal Terrestrial Radio Access (E-UTRA); Special conformance testing function for User Equipment (UE)".

[27] 3GPP TS 23.216: "Single Radio Voice Call Continuity (SRVCC); Stage 2".

[28] 3GPP TS 38.331: "NR Radio Resource Control (RRC) Protocol specification".

[29] 3GPP TS 38.509: "5GS; Special conformance testing functions for User Equipment (UE)".

[30] IETF RFC 7296: "Internet Key Exchange Protocol Version 2 (IKEv2)".

[31] 3GPP TS 24.501: "Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3".

[32] 3GPP TS 24.502: "Access to the 3GPP 5G System (5GS) via non-3GPP access networks; Stage 3".

[33] 3GPP TS 24.519: "5G System (5GS); Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3".

[34] 3GPP TS 24.587: "Vehicle-to-Everything (V2X) services in 5G System (5GS); Protocol aspects; Stage 3"

[35] 3GPP TS 24.193: "Access Traffic Steering, Switching and Splitting; Stage 3".

[36] 3GPP TS 24.334: "Proximity-services (ProSe) User Equipment (UE) to Proximity-services (ProSe) Function Protocol aspects; Stage 3".

[37] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces; Stage3".

[38] 3GPP TS 24.554: "Proximity-services (ProSe) in 5G System (5GS) protocol aspects; Stage 3".

[r24538] 3GPP TS 24.538: "Enabling MSGin5G Service; Protocol specification".

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

### 4.3.4 Contents of layer 3 related Technical Specifications

- The Radio Resource (RR) management protocol is defined in 3GPP TS 44.018 [6b];

- the Mobility Management (MM) protocol is defined in 3GPP TS 24.008 [6];

- the Session Management (SM) protocol is defined in 3GPP TS 24.008 [6];

- the Call Control (CC) protocol is defined in 3GPP TS 24.008 [6];

- the Supplementary Services (SS) protocol is defined in 3GPP TS 24.010 [7], 3GPP TS 24.08x, 3GPP TS 24.09x, and 3GPP TS 24.030 [21];

- the Short Message Service (SMS) protocol is defined in 3GPP TS 24.011 [8];

- the Group Call Control (GCC) protocol is defined in 3GPP TS 44.068 [19];

- the Logical Link Control (LLC) protocol is defined in 3GPP TS 44.064 [11a];

- the GPRS Radio Resource (GRR) protocol is defined in 3GPP TS 44.060 [10a] and 3GPP TS 24.008 [6];

- the CTS Radio Resource (CTS-RR) sub-protocol is defined in 3GPP TS 44.056 [10b];

- the CTS Mobility Management (CTS-MM) sub-protocol is defined in 3GPP TS 44.056 [10b];

- the CTS additions to the Call Control (CC) protocol are defined in 3GPP TS 44.056 [10b];

- the Location Services (LCS) protocol for a type A LMU is defined in 3GPP TS 23.271 [3c] and 3GPP TS 44.071 [8a];

- the EPS Radio Resource (RR) management protocol is defined in 3GPP TS 36.331 [24];

- the EPS Mobility Management (EMM) protocol is defined in 3GPP TS 24.301 [25];

- the EPS Session Management (ESM) protocol is defined in 3GPP TS 24.301 [25];

- the 5GS Radio Resource management (5GRR) protocol is defined in 3GPP TS 38.331 [28];

- the 5GS Mobility Management (5GMM) protocol is defined in 3GPP TS 24.501 [31];

- the 5GS Session Management (5GSM) protocol is defined in 3GPP TS 24.501 [31];

- the UE policy delivery service is defined in 3GPP TS 24.501 [31];

- the non-3GPP access management protocol is defined in 3GPP TS 24.502 [32];

- the PC5 signalling protocol is defined in 3GPP TS 24.587 [34];

- the Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol is defined in 3GPP TS 24.519 [33];

- the Performance Measurement Function (PMF) protocol is defined in 3GPP TS 24.193 [35];

- the PC3 and PC5 signalling protocol for Proximity-based Services (ProSe) are defined in 3GPP TS 24.334 [36].

- the PC3a and PC5 signalling protocol for 5G Proximity-based Services (ProSe) are defined in 3GPP TS 24.554 [38].

- the signalling protocol between the Application Client on the constrained UE and the MSGin5G Client on the MSGin5G Gateway UE for Enabling MSGin5G Service is defined in 3GPP TS 24.538 [r24538].

\* \* \* End of Change \* \* \* \*