

# ETSI TS 143 068 V14.0.0 (2017-04)



**Digital cellular telecommunications system (Phase 2+) (GSM);  
Voice Group Call Service (VGCS);  
Stage 2  
(3GPP TS 43.068 version 14.0.0 Release 14)**



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Reference

RTS/TSGC-0143068ve00

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Keywords

GSM

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# Foreword

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# 1 Scope

The present document specifies the stage two description of the Voice Group Call Service (VGCS) which allows speech conversation of a predefined group of service subscribers in half duplex mode on the radio link taking into account multiple subscribers involved in the group call per cell.

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# 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.
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- [1] Void.
- [1a] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 42.068: "Voice Group Call Service (VGCS); Stage 1".
- [3] 3GPP TS 43.022: "Functions related to Mobile Station (MS) in idle mode".
- [4] 3GPP TS 23.067: "enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 2".
- [5] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".
- [6] 3GPP TS 45.008: "Radio subsystem link control".
- [7] 3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core network protocols; Stage 3".
- [8] ITU-T Recommendation E.164: "The international public telecommunication numbering plan".
- [9] 3GPP TS 42.009(Rel-4): "Security aspects".
- [10] 3GPP TS 43.020: "Security related network functions".
- [11] 3GPP TS 44.068: "Group Call Control (GCC) protocol".
- [12] 3GPP TS 22.083: "Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1".
- [13] 3GPP TS 29.002: "Mobile Application Part (MAP) specification".
- [14] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
- [15] 3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".
- [16] 3GPP TS 28.062: "Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3".
- [17] 3GPP TS 23.236: "Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes".
- [18] 3GPP TS 23.018: "Basic call handling; Technical realization".
- [19] ETSI TS 103 389: "Usage of Session Initiation Protocol (SIP) on the Network Switching Subsystem (NSS) to Fixed Terminal Subsystem (FTS) interface for GSM Operation on Railways".