



**Universal Mobile Telecommunications System (UMTS);
LTE;
Redial solution for voice-video switching
(3GPP TR 23.903 version 14.0.0 Release 14)**



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Introduction

Many 3GPP operators regard circuit switched video services as a key part of UMTS. However there is a strong desire to have an effective and user friendly method of switching between voice and video services when the user desires and/or when radio conditions change and video mode is no longer available.

Following a study of alternative mechanisms, this Technical Report describes the idle mode redial mechanism which 3GPP based systems can use to enhance switching between voice and video services.

1 Scope

The present document describes the idle mode redial mechanism which 3GPP based systems can use to enhance switching between circuit switched voice and video services.

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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- 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 44.018: "Mobile radio interface layer 3 specification, Radio Resource Control Protocol".
- [3] 3GPP TS 48.008: "Mobile-services Switching Centre – Base Station System (MSC – BSS) interface; layer 3 specification".
- [4] 3GPP TS 25.331: "Radio Resource Control (RRC) protocol specification".
- [5] 3GPP TS 22.004: "General on supplementary services".
- [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] 3GPP TS 23.009: "Handover procedures".
- [9] 3GPP TS 32.205: "Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain".
- [10] 3GPP TS 22.082: "Call Forwarding (CF) supplementary services - Stage 1".
- [11] 3GPP TS 23.082: "Call Forwarding (CF) supplementary services - Stage 2".
- [12] 3GPP TS 23.205: "Bearer-independent CS Core Network".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions given in TR 21.905 [1] and the following apply.

A party: the calling party.

B party: the called party.