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**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
Multimedia Resource Function Controller (MRFC)
- Multimedia Resource Function Processor (MRFP)
Mp interface;
Stage 3
(3GPP TS 29.333 version 13.0.0 Release 13)**



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1 Scope

The present document describes the protocol to be used on the Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) interface (Mp interface). The IMS architecture is described in 3GPP TS 23.228 [1], the functional requirements are described in 3G TS 23.333 [25]

This specification defines a profile of the Gateway Control Protocol (H.248.1), for controlling Multimedia Resource Function Processor supporting in-band user interaction, conferencing and transcoding for multimedia-services.

The present document is valid for a 3rd generation PLMN (UMTS) complying with Release 7 and later.

2 References

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- [1] 3GPP TS 23.228: "IP Multimedia Subsystem (IMS); Stage 2".
- [2] 3GPP TS 23.002: "Network architecture".
- [3] ITU-T Recommendation H.248.1 (05/2002), Gateway control protocol: Version 2 + Corrigendum 1 (03/2004) and ITU-T Recommendation H.248.1 (09/2005), Gateway control protocol: Version 3 for Floor Control requirements.
- [4] ITU-T Recommendation H.248.4 (11/2000), Gateway control protocol: Transport over Stream Control Transmission Protocol (SCTP) + Corrigendum 1 (03/2004).
- [5] ITU-T Recommendation H.248.7 (03/2004), Gateway control protocol: Generic announcement package.
- [6] ITU-T Recommendation H.248.9 (03/2002), Gateway control protocol: Advanced media server package.
- [7] ITU-T Recommendation H.248.11 (11/2002), Gateway control protocol: Media gateway overload control package.
- [8] IETF RFC 2960: "Stream Control Transmission Protocol".
- [9] ITU-T Recommendation H.248.14 (03/2002), Gateway control protocol: Inactivity timer package.
- [10] ITU-T Recommendation H.248.16 (11/2002), Gateway control protocol: Enhanced digit collection packages and procedures + Corrigendum 1 (03/2004).
- [11] ITU-T Recommendation H.248.19 (03/2004) Gateway control protocol: Decomposed Multipoint Control Unit, Audio, Video and Data Conferencing package
- [12] ITU-T Recommendation H.248.27 (07/2003), Gateway control protocol: Supplemental Tones package
- [13] ITU-T Recommendation Q.1950 (12/2002), Bearer independent call bearer control protocol.
- [14] ITU-T Recommendation G.711 (11/1988), Pulse code modulation (PCM) of voice frequencies.