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LTE;  
Message Waiting Indication (MWI) using IP Multimedia (IM)  
Core Network (CN) subsystem;  
Protocol specification  
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# 1 Scope

The present document specifies the stage three Protocol Description of the Message Waiting Indication (MWI) service, based on stage one and two of the ISDN MWI supplementary services. It provides the protocol details in the IP Multimedia (IM) Core Network (CN) subsystem based on the Session Initiation Protocol (SIP) and the Session Description Protocol (SDP).

The present document is applicable to User Equipment (UE) and Application Servers (AS) which are intended to support the MWI supplementary service.

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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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- 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 TS 22.173: "IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1".
- [2] 3GPP TS 24.229: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".
- [3] IETF RFC 3842: "A Message Summary and Message Waiting Indication Event Package for the Session Initiation Protocol (SIP)".
- [4] IETF RFC 6665: "SIP-Specific Event Notification".
- [5] IETF RFC 3458: "Message Context for Internet Mail".
- [6] IETF RFC 3938: "Video-Message Message-Context".
- [7] IETF RFC 2822: "Internet Message Format".
- [8] IETF RFC 2156: "MIXER (Mime Internet X.400 Enhanced Relay): Mapping between X.400 and RFC 822/MIME".
- [9] IETF RFC 3263: "Session Initiation Protocol (SIP): Locating SIP Servers".
- [10] 3GPP TS 22.101: "Service aspects; Service principles".
- [11] IETF RFC 3261: "SIP: Session Initiation Protocol".
- [12] 3GPP TS 24.228 Release 5: "Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3".
- [13] 3GPP TS 23.003: "Numbering, addressing and identification".
- [14] Void
- [15] 3GPP TS 22.228: "Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1".
- [16] IETF RFC 3428: "Session Initiation Protocol (SIP) Extension for Instant Messaging".