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**Universal Mobile Telecommunications System (UMTS);  
LTE;  
Tsp interface protocol between  
the MTC Interworking Function (MTC-IWF)  
and Service Capability Server (SCS)  
(3GPP TS 29.368 version 14.1.0 Release 14)**



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# 1 Scope

The present document provides the stage 3 specification of the Tsp reference point for the present release. The functional requirements and the stage 2 specifications of the Tsp reference point are contained in TS 23.682 [2]. The Tsp reference point lies between the Service Capability Server (SCS) and the Machine Type Communication Inter Working Function (MTC-IWF).

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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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 23.682: "Architecture enhancements to facilitate communications with packet data networks and applications".
- [3] 3GPP TS 29.329: "Sh Interface based on the Diameter protocol".
- [4] IETF RFC 791: "Transmission Control Protocol".
- [5] IETF RFC 2234: "Augmented BNF for syntax specifications".
- [6] IETF RFC 3588: "Diameter Base Protocol".
- [7] IETF RFC 4006: "Diameter Credit Control Application".
- [8] IETF RFC 4960: "Stream Control Transmission Protocol".
- [9] IETF RFC 5719: "Updated IANA Considerations for Diameter Command Code Allocations".
- [10] 3GPP TS 33.210: "Network Domain Security (NDS); IP network layer security".
- [11] 3GPP TS 33.310: "Network Domain Security (NDS); Authentication Framework (AF)".
- [12] 3GPP TS 29.336: "Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications".
- [13] 3GPP TS 29.303: "Domain Name System Procedures; Stage 3".
- [14] 3GPP TS 23.003: "Numbering, addressing and identification".
- [15] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
- [16] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol".
- [17] 3GPP TS 29.337: "Diameter-based T4 interface for communications with packet data networks and applications".
- [18] IETF RFC 6733: "Diameter Base Protocol".
- [19] IETF draft-ietf-dime-load-03: "Diameter Load Information Conveyance".

**Editor's note:** The above document cannot be formally referenced until it is published as an RFC.