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**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
Policy and charging control: Spending limit reporting
over Sy reference point
(3GPP TS 29.219 version 13.2.0 Release 13)**



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Foreword

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1 Scope

The present document provides the stage 3 specification of the Sy reference point for the present release. The functional requirements and the stage 2 specifications of the Sy reference point are contained in TS 23.203 [2]. The Sy reference point lies between the Policy and Charging Rule Function (PCRF) and the Online Charging System (OCS). The internal OCS functionality for policy counter provision management pertaining to Sy is specified in TS 32.296 [16].

2 References

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

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- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 23.203: "Policy Control and Charging architecture".
- [3] IETF RFC 3588: "Diameter Base Protocol".
- [4] IETF RFC 4005: "Diameter Network Access Server Application"
- [5] IETF RFC 4006: "Diameter Credit Control Application".
- [6] IETF RFC 5719: "Updated IANA Considerations for Diameter Command Code Allocations"
- [7] IETF RFC 2234: "Augmented BNF for syntax specifications".
- [8] 3GPP TS 29.213: "Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping".
- [9] Void.
- [10] Void.
- [11] Void.
- [12] Void.
- [13] IETF RFC 791: "Transmission Control Protocol".
- [14] IETF RFC 4960: "Stream Control Transmission Protocol".
- [15] 3GPP TS 29.229: "Cx and Dx interfaces based on the Diameter protocol".
- [16] 3GPP TS 32.296: "Telecommunication management; charging management; Online Charging System (OCS) applications and interfaces".
- [17] ETSI TS 283 034 v2.2.0: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Network Attachment Sub-System (NASS); e4 interface based on the DIAMETER protocol".
- [18] IETF RFC 3046: "DHCP Relay Agent Information Option".
- [19] 3GPP TS 29.212: "Policy and Charging Control (PCC); Reference points".