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Contents

Foreword

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1 Scope

The present document provides the stage 3 specification of the Np reference point. The functional requirements and the stage 2 specifications of the Np reference point are contained in 3GPP TS 23.203 [2]. The Np reference point lies between the RAN Congestion Awareness Function (RCAF) and the Policy and Charging Rules Function (PCRF) for the non-roaming case, between the RCAF and the H-PCRF for the home-routed scenario and between the RCAF and the V-PCRF for the visited access scenario.

NOTE: If not specified explicitly, the PCRF also means H-PCRF for the home-routed scenario or V-PCRF in the visited access scenario in the specification.

2 References

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[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.203: "Policy and charging control architecture".

[3] 3GPP TS 29.213: "Policy and Charging Control signalling flows and QoS parameter mapping".

[4] IETF RFC 4005: "Diameter Network Access Server Application".

[5] IETF RFC 4006: "Diameter Credit Control Application".

[6] 3GPP TS 29.229: "Cx and Dx interfaces based on Diameter protocol; Protocol details".

[7] Void.

[8] 3GPP TS 23.401: "GPRS enhancements for E-UTRAN access".

[9] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".

[10] 3GPP TS 29.215: "Policy and Charging Control (PCC) over S9 reference point; Stage 3".

[11] 3GPP TS 29.061: "Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)".

[12] 3GPP TS 29.274: "3GPP Evolved Packet System. Evolved GPRS Tunnelling Protocol for EPS (GTPv2)".

[13] ITU-T Recommendation E.212: "The international identification plan for mobile terminals and mobile users".

[14] 3GPP TS 29.212: "Policy and Charging Control (PCC); Reference points".

[15] IETF RFC 7683: "Diameter Overload Indication Conveyance".

[16] IETF RFC 7944: "Diameter Routing Message Priority".

[17] 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.