

ETSI TS 129 153 V14.1.0 (2017-04)



**Universal Mobile Telecommunications System (UMTS);
LTE;
Service capability exposure functionality
over Ns reference point
(3GPP TS 29.153 version 14.1.0 Release 14)**



Reference

RTS/TSGC-0329153ve10

Keywords

LTE,UMTS

ETSI

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1 Scope

This document defines the protocol for Ns reference point between the Service Capability Exposure Function (SCEF) and RAN Congestion Awareness Function (RCAF).

The Ns reference point and related stage 2 procedures are defined in 3GPP TS 23.682 [2].

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 23.682: "Architecture enhancements to facilitate communications with packet data networks and applications".
 - [3] IETF RFC 3588: "Diameter Base Protocol".
 - [4] 3GPP TS 29.217: "Congestion reporting over Np reference point".
 - [5] IETF RFC 7683: "Diameter Overload Indication Conveyance".
 - [6] 3GPP TS 29.229: "Cx and Dx interfaces based on Diameter protocol; Protocol details".
 - [7] 3GPP TS 29.336: "Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications Diameter Base Protocol".
 - [8] 3GPP TS 29.154: "Service Capability Exposure Functionality over Nt reference point".
 - [9] 3GPP TS 29.274: "3GPP Evolved Packet System. Evolved GPRS Tunnelling Protocol for EPS (GTPv2)".
 - [10] IETF RFC 5719: "Updated IANA Considerations for Diameter Command Code Allocations".
 - [11] IETF RFC 2234: "Augmented BNF for syntax specifications".
 - [12] 3GPP TS 29.213: "Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping".
 - [13] IETF RFC 7944: "Diameter Routing Message Priority".
 - [14] 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.
- [15] IETF RFC 6733: "Diameter Base Protocol".