

ETSI TS 129 328 V10.14.0 (2016-01)



**Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
IP Multimedia (IM) Subsystem Sh interface;
Signalling flows and message contents
(3GPP TS 29.328 version 10.14.0 Release 10)**



Reference

RTS/TSGC-0429328vae0

Keywords

GSM,LTE,UMTS

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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	5
1 Scope	6
2 References	6
3 Definitions, symbols and abbreviations	7
3.1 Definitions	7
3.2 Abbreviations	8
4 Main Concept	8
5 General Architecture	8
5.1 Functional requirements of network entities	8
5.1.1 Functional Requirements of the Application Server.....	8
5.1.2 Functional requirements of HSS	8
5.1.3 Functional Requirements of the Presence Network Agent	8
5.2 Functional classification of Sh interface procedures	9
6 Procedure Descriptions.....	9
6.1 User data handling procedures	10
6.1.1 Data read (Sh-Pull)	10
6.1.1.1 Detailed behaviour	12
6.1.2 Data Update (Sh-Update).....	14
6.1.2.1 Detailed behaviour	16
6.1.3 Subscription to notifications (Sh-Subs-Notif).....	18
6.1.3.1 Detailed behaviour	20
6.1.4 Notifications (Sh-Notif).....	21
6.1.4.1 Detailed behaviour	22
6.2 AS permissions list.....	23
6.3 Void.....	24
6.4 Void.....	24
6.5 User identity to HSS resolution.....	24
7 Information element contents	25
7.1 User Identity.....	25
7.1.1 IMS Public User Identity / Public Service Identity.....	25
7.1.2 MSISDN	25
7.1A Wildcarded PSI	25
7.1B Wildcarded Public User Identity	25
7.2 Requested Domain	25
7.2A Requested Nodes	25
7.2B Serving Node Indication.....	26
7.3 Requested Data.....	26
7.4 Service Indication.....	26
7.5 Result.....	26
7.6 Data	26
7.6.1 Repository Data	28
7.6.2 IMSPublicIdentity.....	28
7.6.3 IMS User State.....	28
7.6.4 S-CSCF Name	29
7.6.5 Initial Filter Criteria	29
7.6.6 Location Information	29
7.6.6.1 Location information for CS	29
7.6.6.2 Location information for GPRS	30

7.6.6.3	Location information for EPS	30
7.6.7	User state	31
7.6.8	Charging information.....	31
7.6.9	MSISDN	31
7.6.10	PSIActivation.....	31
7.6.11	DSAI.....	32
7.6.12	Void	32
7.6.13	Void	32
7.6.14	IP address secure binding information.....	32
7.6.15	Service Priority Level	32
7.6.15A	Extended Priority	32
7.6.16	SMSRegistrationInfo	33
7.6.17	UE reachability for IP	33
7.6.18	T-ADS Information.....	33
7.6.19	Private Identity.....	33
7.6.20	STN-SR	33
7.6.21	UE SRVCC Capability	33
7.6.22	CSRN.....	34
7.7	Subscription request type	34
7.8	Current Location	34
7.9	Application Server Identity	34
7.10	Application Server Name	34
7.11	Requested Identity Set.....	34
7.12	Expiry Time.....	34
7.13	Send Data Indication	34
7.14	DSAI Tag	34
7.15	Session-Priority	35
7.16	One Time Notification.....	35
7.17	Repository Data ID.....	35
7.18	Pre-paging Supported.....	35
8	Protocol version identification	35
9	Operational Aspects	35
Annex A (normative):	Mapping of Sh operations and terminology to Diameter.....	36
A.1	Introduction	36
A.2	Sh message to Diameter command mapping.....	36
A.3	Void.....	36
Annex B (informative):	Message flow.....	37
B.1	Message flows	37
B.1.1	Data Update, Registration, Notification Subscription.....	37
Annex C (informative):	UML model of the data downloaded over Sh interface.....	39
C.1	General description.....	40
C.2	PublicIdentifiers	42
C.3	Sh-IMS-Data	43
Annex D (normative):	XML schema for the Sh interface user profile	45
Annex E (informative):	T-ADS request handling in the HSS.....	51
E.1	T-ADS request handling in the HSS	51
Annex F (informative):	Change history	58
History		61

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1 Scope

This 3GPP Technical Specification (TS) specifies:

1. The interactions between the HSS (Home Subscriber Server) and the SIP AS (Application Server) and between the HSS and the OSA SCS (Service Capability Server). This interface is referred to as the Sh reference point.
2. The interactions between the SIP AS and the SLF (Subscription Locator Function) and between the OSA SCS and the SLF. This interface is referred to as the Dh reference point.

The IP Multimedia (IM) Core Network Subsystem stage 2 is specified in 3GPP TS 23.228 [1] and the signalling flows for the IP multimedia call control based on SIP and SDP are specified in 3GPP TS 24.228 [2].

The IP Multimedia (IM) Session Handling with the IP Multimedia (IM) call model is specified in 3GPP TS 23.218 [4].

This document addresses the signalling flows and message contents for the protocol at the Sh and Dh interface.

This document also addresses how the functionality of Ph interface is accomplished.

The Presence Service Stage 2 description (architecture and functional solution) is specified in 3GPP TS 23.141 [18].

2 References

- [1] 3GPP TS 23.228: "IP Multimedia (IM) Subsystem – Stage 2".
- [2] 3GPP TS 24.228: "Signalling flows for the IP multimedia call control based on SIP and SDP (Release 5)".
- [3] 3GPP TS 23.002: "Network architecture".
- [4] 3GPP TS 23.218: "IP Multimedia (IM) Session Handling; IP Multimedia (IM) call model".
- [5] 3GPP TS 29.329: "Sh Interface based on Diameter – Protocol details".
- [6] 3GPP TS 29.228: "IP multimedia (IM) Subsystem Cx Interface; Signalling flows and Message Elements".
- [7] 3GPP TS 29.229: "Cx and Dx Interfaces based on the Diameter protocol ; Protocol details".
- [8] IETF RFC 3588: "Diameter Base Protocol".
- [9] ITU-T recommendation Q.763: "Signalling System No. 7 - ISDN User Part formats and codes".
- [10] 3GPP TS 23.018: "Basic Call Handling; Technical realization".
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- [12] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
- [13] 3GPP TS 29.002: "Mobile Application Part (MAP) specification".
- [14] 3GPP TS 23.078: "Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2".
- [15] IETF RFC 2045: "Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies".
- [16] IETF RFC 3261: "SIP: Session Initiation Protocol".
- [17] IETF RFC 3966: "The tel URI for Telephone Numbers".
- [18] 3GPP TS 23.141: "Presence Service; Architecture and Functional Description".