

ETSI TS 129 328 V14.5.0 (2018-01)



**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
LTE;
IP Multimedia (IM) Subsystem Sh interface;
Signalling flows and message contents
(3GPP TS 29.328 version 14.5.0 Release 14)**



Reference

RTS/TSGC-0429328ve50

Keywords

GSM,LTE,UMTS

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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	6
1 Scope	7
2 References	7
3 Definitions, symbols and abbreviations	8
3.1 Definitions	8
3.2 Abbreviations	9
4 Main Concept.....	9
5 General Architecture	9
5.1 Functional requirements of network entities	9
5.1.1 Functional Requirements of the Application Server.....	9
5.1.2 Functional requirements of HSS	9
5.1.3 Functional Requirements of the Presence Network Agent	10
5.2 Functional classification of Sh interface procedures	10
6 Procedure Descriptions.....	10
6.1 User data handling procedures	11
6.1.1 Data read (Sh-Pull)	11
6.1.1.1 Detailed behaviour	14
6.1.2 Data Update (Sh-Update).....	17
6.1.2.1 Detailed behaviour	19
6.1.3 Subscription to notifications (Sh-Subs-Notif).....	22
6.1.4 Notifications (Sh-Notif).....	26
6.1.4.1 Detailed behaviour	27
6.2 AS permissions list.....	28
6.3 Void.....	28
6.4 Void.....	28
6.5 User identity to HSS resolution.....	28
7 Information element contents	30
7.1 User Identity.....	30
7.1.1 IMS Public User Identity / Public Service Identity.....	30
7.1.2 MSISDN	30
7.1A Wildcarded PSI	30
7.1B Wildcarded Public User Identity	30
7.2 Requested Domain	30
7.2A Requested Nodes	30
7.2B Serving Node Indication.....	31
7.3 Requested Data.....	31
7.4 Service Indication.....	31
7.5 Result.....	31
7.6 Data	31
7.6.1 Repository Data	34
7.6.2 IMSPublicIdentity.....	34
7.6.3 IMS User State.....	35
7.6.4 S-CSCF Name	35
7.6.5 Initial Filter Criteria	35
7.6.6 Location Information	35
7.6.6.1 Location information for CS	36
7.6.6.2 Location information for GPRS	37
7.6.6.3 Location information for EPS	37
7.6.6.4 Location Information for TWAN.....	38

7.6.7	User state	38
7.6.8	Charging information.....	38
7.6.9	MSISDN	39
7.6.9A	Extended MSISDN	39
7.6.10	PSIActivation.....	39
7.6.11	DSAI.....	39
7.6.12	Void	40
7.6.13	Service Level Trace Information	40
7.6.14	IP address secure binding information.....	40
7.6.15	Service Priority Level	40
7.6.15A	Extended Priority	40
7.6.16	SMSRegistrationInfo	40
7.6.17	UE reachability for IP	40
7.6.18	T-ADS Information.....	41
7.6.19	Private Identity.....	41
7.6.20	STN-SR	41
7.6.21	UE SRVCC Capability	41
7.6.22	CSRN.....	41
7.6.23	Reference Location Information	41
7.6.24	IMSI.....	41
7.6.25	IMSPrivateUserIdentity	42
7.7	Subscription request type	42
7.8	Current Location	42
7.9	Application Server Identity	42
7.10	Application Server Name	42
7.11	Requested Identity Set.....	42
7.12	Expiry Time.....	42
7.13	Send Data Indication	42
7.14	DSAI Tag	42
7.15	Session-Priority	42
7.16	One Time Notification.....	43
7.17	Repository Data ID.....	43
7.18	Pre-paging Supported.....	43
7.19	Local Time Zone Indication	43
7.20	UDR Flags.....	43
7.21	Call Reference Info	43
7.22	Call Reference Number	44
7.23	AS-Number	44
8	Protocol version identification	44
9	Operational Aspects	44
Annex A (normative):	Mapping of Sh operations and terminology to Diameter	45
A.1	Introduction	45
A.2	Sh message to Diameter command mapping.....	45
A.3	Void.....	45
Annex B (informative):	Message flow.....	46
B.1	Message flows	46
B.1.1	Data Update, Registration, Notification Subscription	46
Annex C (informative):	UML model of the data downloaded over Sh interface.....	48
C.1	General description.....	48
C.2	PublicIdentifiers	50
C.3	Sh-IMS-Data	52
Annex D (normative):	XML schema for the Sh interface user profile.....	54

Annex E (informative):	T-ADS request handling in the HSS.....	65
Annex F (normative):	Diameter overload control mechanism	73
F.1	General	73
F.2	HSS behaviour.....	73
F.3	AS behaviour.....	73
Annex G (Informative):	Diameter overload node behaviour	74
G.1	Message prioritization	74
Annex H (Informative):	Data shared among multiple subscribers	75
H.1	General	75
Annex I (normative):	Diameter message priority mechanism.....	76
I.1	General	76
I.2	Sh/Dh interface.....	76
I.2.1	General.....	76
I.2.2	AS/OSA SCS behaviour	76
I.2.3	HSS/SLF behaviour	76
I.2.4	Interactions	77
Annex J (normative):	Diameter load control mechanism.....	77
J.1	General	77
J.2	HSS behaviour.....	77
J.3	AS behaviour.....	78
Annex K (informative):	Change history	79
History		84

Foreword

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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] Void.
- [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".
- [11] 3GPP TS 23.003: "Numbering, Addressing and Identification".
- [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".
- [19] 3GPP TS 23.012: "Location Management Procedures".