

ETSI TS 129 328 V14.4.0 (2017-10)



**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 14.4.0 Release 14)**



Reference

RTS/TSGC-0429328ve40

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..... | 78 |
| J.1 | General | 78 |
| J.2 | HSS behaviour..... | 78 |
| 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".
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- [13] 3GPP TS 29.002: "Mobile Application Part (MAP) specification".
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- [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".