

<<SAE系统信令流程参数解读>>

图书基本信息

书名：<<SAE系统信令流程参数解读>>

13位ISBN编号：9787115267610

10位ISBN编号：7115267618

出版时间：2012-3

出版时间：人民邮电出版社

作者：孙达 等编著

页数：200

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<SAE系统信令流程参数解读>>

内容概要

《SAE系统信令流程参数解读》主要分为信令流程部分、接口消息部分以及消息参数部分。其中，信令流程部分按功能划分为会话管理、移动性管理、业务请求和安全功能4部分内容，接口消息及参数部分主要是对SAE网元设备间的GTPv2消息以及SAE网元设备与HSS间的Diameter消息进行梳理与分析。

特别地，考虑到现网GPRS网络演进到SAE网络是一个逐步引入、升级与替换的过程，因此，在流程分析与接口消息描述时，结合了核心网元设备版本(如R8或Pre-R8)与核心网元设备功能角色(如MME或SGSN)来进行探讨(网络建设时可能采用MME/SGSN融合设备)，并在会话管理、移动性管理、安全功能部分结合流程介绍了SAE网络的附着机制、承载管理机制、QoS控制机制、移动性管理优化机制、分层的安全保障机制等SAE技术特色，使读者不仅可了解SAE功能的流程实现，更能深层次地理解如此实现的原因，为后续SAE网络建设及现网改造打下坚实的理论基础。

<<SAE系统信令流程参数解读>>

书籍目录

第1章 流程图和消息清单

1.1 会话管理

- 1.1.1 Dedicated Bearer Activation
- 1.1.2 Bearer Modification with Bearer QoS Update
- 1.1.3 Bearer Deactivation
- 1.1.4 UE Requested Bearer Resource Modification

1.2 移动性管理

- 1.2.1 Attach Procedure
- 1.2.2 Tracking Area Update Procedure
- 1.2.3 Handover Procedure
- 1.2.4 Detach Procedure

1.3 业务请求流程

- 1.3.1 UE Triggered Service Request
- 1.3.2 Network Triggered Service Request

1.4 安全功能

第2章 信令消息

2.1 GTPv2

- 2.1.1 Context Request
- 2.1.2 Context Response
- 2.1.3 Context Acknowledge
- 2.1.4 Create Bearer Request
- 2.1.5 Create Bearer Response
- 2.1.6 Create Session Request
- 2.1.7 Create Session Response
- 2.1.8 Create Indirect Data Forwarding Tunnel Request
- 2.1.9 Create Indirect Data Forwarding Tunnel Response
- 2.1.10 Modify Bearer Request
- 2.1.11 Modify Bearer Response
- 2.1.12 Delete Session Request
- 2.1.13 Delete Session Response
- 2.1.14 Delete Bearer Command
- 2.1.15 Delete Bearer Request
- 2.1.16 Delete Bearer Response
- 2.1.17 Delete Indirect Data Forwarding Tunnel Request
- 2.1.18 Delete Indirect Data Forwarding Tunnel Response
- 2.1.19 Forward Relocation Request
- 2.1.20 Forward Relocation Response
- 2.1.21 Forward Relocation Complete Notification
- 2.1.22 Forward Relocation Complete Acknowledge
- 2.1.23 Forward Access Context Notification
- 2.1.24 Forward Access Context Acknowledge
- 2.1.25 Relocation Cancel Request
- 2.1.26 Relocation Cancel Response
- 2.1.27 Bearer Resource Command
- 2.1.28 Identification Request

<<SAE系统信令流程参数解读>>

- 2.1.29 Identification Response
- 2.1.30 Detach Notification
- 2.1.31 Detach Acknowledge
- 2.1.32 Downlink Data Notification
- 2.1.33 Downlink Data Notification Acknowledgement
- 2.1.34 Stop Paging Indication

2.2 Diameter

- 2.2.1 Update Location Request
- 2.2.2 Update Location Answer
- 2.2.3 Cancel Location Request
- 2.2.4 Cancel Location Answer
- 2.2.5 Authentication Information Request
- 2.2.6 Authentication Information Answer
- 2.2.7 Insert Subscriber Data Request
- 2.2.8 Insert Subscriber Data Answer
- 2.2.9 Notify Request
- 2.2.10 Notify Answer

第3章 参数

3.1 GTPv2参数

- 3.1.1 GUTI
- 3.1.2 International Mobile Subscriber Identity(IMSI)
- 3.1.3 Mobile Station International ISDN Number(MSISDN)
- 3.1.4 P-TMSI
- 3.1.5 Cause
- 3.1.6 Recovery(Restart Counter)
- 3.1.7 Access Point Name(APN)
- 3.1.8 NSAPI
- 3.1.9 APN-Aggregate Maximum Bit Rate(AMBR)
- 3.1.10 EPS Bearer ID(EBI)
- 3.1.11 IP Address
- 3.1.12 Mobile Equipment Identity(MEI)
- 3.1.13 Indication
- 3.1.14 Protocol Configuration Option(PCO)
- 3.1.15 PDN Address Allocation(PAA)
- 3.1.16 Bearer Level Quality of Service(Bearer QoS)
- 3.1.17 Flow Quality of Service(Flow QoS)
- 3.1.18 RAT Type
- 3.1.19 Serving Network
- 3.1.20 EPS Bearer Level Traffic Flow Template(Bearer TFT)
- 3.1.21 Traffic Aggregation Description(TAD)
- 3.1.22 User Location Information(ULI)
- 3.1.23 Fully Qualified Tunnel Endpoint Identifier(F-TEID)
- 3.1.24 S1-U Data Forwarding Info(S1UDF)
- 3.1.25 Bearer Context
- 3.1.26 PDN Connection
- 3.1.27 Charging ID
- 3.1.28 Charging Characteristics

<<SAE系统信令流程参数解读>>

- 3.1.29 Trace Information
- 3.1.30 Bearer Flags
- 3.1.31 PDN Type
- 3.1.32 Procedure Transaction ID(PTI)
- 3.1.33 UE Network Capability
- 3.1.34 MM Context
- 3.1.35 PDU Number
- 3.1.36 P-TMSI Signature
- 3.1.37 Hop Counter
- 3.1.38 UE Time Zone
- 3.1.39 Complete Request Message
- 3.1.40 Selected PLMN ID
- 3.1.41 Target Identification
- 3.1.42 Packet Flow ID
- 3.1.43 RAB Context
- 3.1.44 Source RNC PDCP Context Info
- 3.1.45 UDP Source Port Number
- 3.1.46 APN Restriction
- 3.1.47 Selection Mode
- 3.1.48 Source Identification
- 3.1.49 Change Reporting Action
- 3.1.50 Transaction Identifier(TI)
- 3.1.51 Private Extension
- 3.2 Diameter参数
 - 3.2.1 Alert-Reason
 - 3.2.2 Authentication-Info
 - 3.2.3 Cancellation-Type
 - 3.2.4 Context-Identifier
 - 3.2.5 IDA-Flags
 - 3.2.6 IDR-Flags
 - 3.2.7 MIP6-Agent-Info
 - 3.2.8 NOR-Flags
 - 3.2.9 SGSN-Number
 - 3.2.10 RAT-Type
 - 3.2.11 Requested-EUTRAN-Authentication-Info
 - 3.2.12 Requested-UTRAN-GERAN-Authentication-Info
 - 3.2.13 Result-Code/Experimental-Result
 - 3.2.14 Service-Selection
 - 3.2.15 Subscription-Data
 - 3.2.16 Supported-Features
 - 3.2.17 Terminal-Information
 - 3.2.18 ULA-Flags
 - 3.2.19 ULR-Flags
 - 3.2.20 User-Name
 - 3.2.21 Visited-PLMN-ID

第4章 索引

4.1 信令消息索引

<<SAE系统信令流程参数解读>>

4.2 参数索引
参考文献

<<SAE系统信令流程参数解读>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>