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**Technical requirements of adaptation layer of No.7 signalling
interworking with IP MTP2 user adaptation layer**

No.7信令与IP互通适配层技术要求 消息传递部分（MTP）第二级用户适配层（M2UA）

(English Translation)

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

The standard reference method using redrafted IETFRFC3331.2002 number "7 Signalling System Message Transfer Part 2 (MTP2) suitable user Hotels layer (M2UA) Agreement

"preparation, and the degree of consistency equivalent non IETFRFC3331.

The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

The standard by the China Communications Standards Association.

This standard was drafted. the Ministry of Industry and Information Technology and Telecommunications Research Institute, Shanghai Bell Co., Ltd., ZTE Corporation, Huawei Technologies Co., Ltd.

1 Scope

This standard specifies the No.7 signaling messaging portion of the second level user adaptation layer (M2UA) functions of the protocol, message parameters, formats, and program.

This standard applies to adoption M2UA protocol as the signaling transport adaptation protocol softswitch, signaling gateways and other equipment.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 28510 stream control transmission protocol (SCTP) ITU-TQ.703 No.7 signaling system switching and signaling specification Message Transfer Part (MTP) signaling link (Switchingand signalingspecificationsofsignalingsystemNo.7-Messagetransferpart (MTP) signalinglink)

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

Application Server applicationserver Execution logic application-specific entity instances. MGC softswitch or can be seen as an application server, which is used to handle MTP layer 3 messages and terminates in call processing No.7 signaling link. Generally, SG is usually seen as a multi-AS Orderly queue correlation application server process (ASP) component (such as the first choice, second choice and so on).

3.1.2

Application server process Examples of processing the application server as a primary or backup MGC can generally be seen as an application server process.

3.1.3

Coupling association Coupling this standard mentioned refer SCTP coupling, the coupling can be used to transmit protocol data units on one or more interfaces.

3.1.4

The failover, rewind fail-over/fail-back in the application server process currently used by the fault or unavailable, the signaling traffic can be re-routed to an alternate server which ASP on his ability. When the application server process (ASP) previously unavailable recovery, fault rewind able to put the original ASP Borne traffic again to the ASP.