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**Digital cellular telecommunications system (Phase 2+) (GSM);
Base Station System - Media GateWay (BSS-MGW) interface;
User plane transport mechanism
(3GPP TS 48.103 version 14.0.0 Release 14)**

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GSM® GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS

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Contents

Foreword

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1 Scope

The present document specifies the User Plane data transport protocols used between BSSs and the Core Network (MGWs) across the A interface. The main purpose of the present document is the AoIP description, however for the sake of completeness the AoTDM case is described as well.

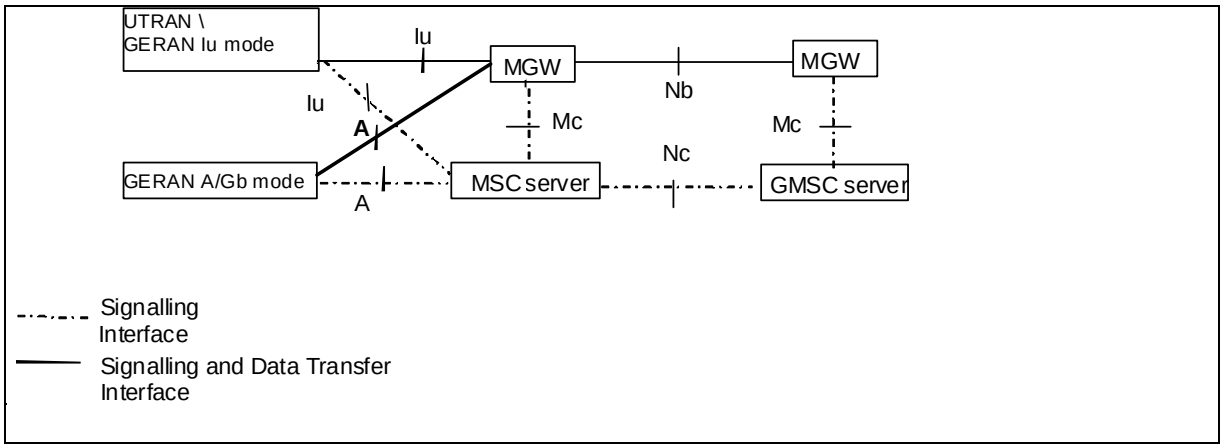

Figure 1.1: CS core network logical architecture

Note that the present document does not preclude any Core Network Session Control Protocol implementation (BICC or SIP-I).

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] IETF RFC 791: "Internet Protocol (IP)".

[3] IETF RFC 2460: "Internet Protocol, Version 6 (IPv6)".

[4] IETF RFC 768: "User Datagram Protocol. (UDP)".

[5] IETF RFC 3550: "RTP: A Transport Protocol for Real Time Applications".

[6] 3GPP TS 29.414: "Core network Nb Interface data transport and transport signalling".

[7] IETF RFC 3551: "RTP Profile for Audio and Video Conference with Minimal Control".

[8] 3GPP TR 29.814: "Feasibility Study on Bandwidth Savings at Nb Interface with IP transport".

[9] IETF RFC 4040: "RTP Payload Format for a 64 kbits/s Transparent Call"

[10] IETF RFC 4867: "RTP Payload Format and File Storage Format for the Adaptive Multi-Rate (AMR) and Adaptive Multi-Rate Wideband (AMR-WB) Audio Codecs"

[11] IETF RFC 2198: "RTP Payload for redundant Audio Data"