

ETSI TR 123 039 V3.1.0 (2000-01)

Technical Specification

**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
Interface protocols for the connection of Short Message
Service Centres (SMSCs) to Short Message Entities (SMEs)
(3G TR 23.039 version 3.1.0 Release 1999)**



Reference

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Foreword

This Technical Report has been produced by the 3GPP.

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- z the third digit is incremented when editorial only changes have been incorporated in the specification;

1 Scope

The present document describes a range of alternative interfaces which may be utilised by Short Message Service Centre (SMSC), and Short Message Entity (SME), developers for the connection of SMEs to SMSCs.

The purpose of the present document is to provide a single document within which the various proprietary SMSC to SME interface standards may be accommodated as optional implementations.

As stated in 3G TS 23.040 [1], the functionality of the SMSC is outside of the scope of the 3GPP Technical Specifications. As a result, no standardised interfaces have been specified for the connection of SMEs to the SMSC. In the absence of a prevailing standard, SC (Service Centre), developers have devised their own protocols which have not necessarily been based on any existing standards and are therefore largely incompatible with one another.

This document by referring to the various de-facto protocols will limit the further proliferation of proprietary standards and will benefit new SC/SME developers who may then adopt one or more of the existing protocols outlined in the present document.

This document does not provide recommendations, as to the preferred protocol implementation as all are regarded as being of equal merit. SC/SME implementors should therefore adopt the protocol most suited to their particular implementation, application or market.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] 3G TS 23.040 : "Technical realization of the Short Message Service (SMS)" .

3 SC to SME interface protocols

The proprietary SC to SME interface protocols specifications are listed as follows:

- 3.1 **Short Message Peer to Peer (SMPP) Interface Specification (Logica)**
Specification available from :- www.smpp.org/docs
- 3.2 **Short Message Service Centre external machine interface (Computer Management Group)**
Specification available from:- www.cmgtelecom.com
- 3.3 **SMSC to SME Interface Specification (Nokia Cellular Systems)**
Specification available from:- No details available
- 3.4 **SMSC Open Interface Specification (SEMA Group)**
Specification available from:- www.semagroup.com/m&t/telecoms.htm

3.5 **SMSC Computer Access Service And Protocol Manual (Ericsson)**

Specification available from:- Ericsson Compitex AB, Telephone number +46 31 7099000

NOTE: 3GPP takes no responsibility for the viability of any of the optional SC to SME interface protocols referred to. Enquires relating to their technical content should be made directly to the editing authority for each specification.

Annex A (informative): Change Request History

TSG-T No.	TDoc. No.	CR. No.	New version	Subject/Comments
T#4		New	3.0.0	Creation of 3GPP 23.039 v3.0.0 out of GSM 03.39 v6.0.0
T#6	TP-99237	001	3.1.0	Adaptations for UMTS (and deletion of interface protocols replacing them by references)

History

Document history		
V3.1.0	January 2000	Publication