

3GPP  
Technical Specification Group Core Networks  
Meeting #3, Yokohama, 21-23 April 1999

Document **NP-99133**

**Source: ETSI STC SMG1**

**Title: GSM data streamlining**

**Document for: Decision**

**Attention: Agenda item 5**

CN is invited to endorse these CRs to be passed to SMG#29 for approval.

<b>CHANGE REQUEST No :</b> <input style="width: 50px;" type="text"/>		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
<b>Technical Specification GSM / UMTS:</b> <input style="width: 50px;" type="text" value="02.34"/>		<b>Version</b> <input style="width: 50px;" type="text" value="8.0.0"/>
Submitted to SMG <input style="width: 50px;" type="text"/>	for approval <input style="width: 50px;" type="text"/>	without presentation ("non-strategic") <input style="width: 50px;" type="text"/>
<i>list plenary meeting or STC here ↑</i>	for information <input style="width: 50px;" type="text"/>	with presentation ("strategic") <input style="width: 50px;" type="text"/>
<i>PT SMG CR cover form. Filename: crf26_3.doc</i>		

**Proposed change affects:** SIM  ME  Network   
*(at least one should be marked with an X)*

**Work item:**

**Source:**  **Date:**

**Subject:**

<b>Category:</b>	F Correction	<input type="checkbox"/>	<b>Release:</b> Phase 2	<input type="checkbox"/>
<i>(one category and one release only shall be marked with an X)</i>	A Corresponds to a correction in an earlier release	<input type="checkbox"/>	Release 96	<input type="checkbox"/>
	B Addition of feature	<input type="checkbox"/>	Release 97	<input type="checkbox"/>
	C Functional modification of feature	<input checked="" type="checkbox"/>	Release 98	<input type="checkbox"/>
	D Editorial modification	<input type="checkbox"/>	Release 99	<input checked="" type="checkbox"/>
			UMTS	<input type="checkbox"/>

**Reason for change:**

**Clauses affected:**

<b>Other specs affected:</b>	Other releases of same spec	<input type="checkbox"/>	→ List of CRs:	<input style="width: 100%;" type="text"/>
	Other core specifications	<input type="checkbox"/>	→ List of CRs:	<input style="width: 100%;" type="text"/>
	MS test specifications / TBRs	<input type="checkbox"/>	→ List of CRs:	<input style="width: 100%;" type="text"/>
	BSS test specifications	<input type="checkbox"/>	→ List of CRs:	<input style="width: 100%;" type="text"/>
	O&M specifications	<input type="checkbox"/>	→ List of CRs:	<input style="width: 100%;" type="text"/>

**Other comments:**

## 4 Description

### 4.1 General

HSCSD is a feature that allows users subscribing to the General Bearer Services to access user rates that can be achieved with one or more TCH/F. HSCSD also defines mechanisms for the use of air interface resources which makes efficient and flexible use of higher user rates feasible.

### 4.2 Applicability

HSCSD shall provide flexible ways of supporting GSM Phase 2, T and NT data services and new data services at the higher rates possible with one or more TCH/F. Data compression shall be applicable to NT HSCSD. Supplementary Services that are applicable to the General Bearer Services can be used with the HSCSD feature (Reference GSM 02.04, [3]).

### 4.3 General Bearer Services

The General Bearer Services are defined in GSM 02.02 [2].

The General Bearer Services consist of ~~four~~two Bearer Services, and they are as follows:

- asynchronous;
- synchronous;
- ~~— dedicated PAD access;~~
- ~~— dedicated packet access.~~

## **6 Interworking requirements**

### **6.1 Service interworking**

#### **6.1.1 Interworking with supplementary services**

Supplementary Services that are applicable to the General Bearer Services can be used with the HSCSD feature (Reference GSM 02.04, [3]).

#### **6.1.2 Interworking with other services**

The simultaneous use of HSCSD and SMS MO/PP, and HSCSD and SMS MT/PP services shall be possible.

#### **6.2 Network interworking**

Interworking should be possible to all networks which are covered by GSM Phase 2 bearer services:

- PSTN;
- ISDN;
- PSPDN;
- ~~CSPDN.~~